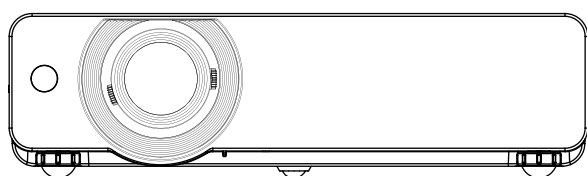


Service Manual

LCD Projector

Model No. **PT-VX505NU**
PT-VX505NE
PT-VX505NEA
PT-VW435NU
PT-VW435NE
PT-VW435NEA



Contents

Contents	2	Serial Control	76
Safety Instructions	3	Serial terminal.....	76
Safety precautions	4	Control Port Functions	79
Specifications	5	Scaler I/O port functions (PW190).....	79
Circuit Protections	7	IC Block Diagrams.....	81
Thermal fuse (SW902)	7	Exploded Views & Parts List	SPL-1
Lamp cover switch (SW901).....	7	Exploded Views	SPL-2
Fuse (F601)	7	Mechanical Parts List.....	SPL-10
Warning temperature and power failure protection.....	8	Electrical Parts List	SPL-12
Maintenance	9	Schematic Diagram & Circuit Boards Diagram .DIA-1	
Maintenance	9	Pin description of diode, transistor and IC	DIA-2
Replacing the unit.....	9	Schematic Diagrams	DIA-3
Replacing the lamp unit.....	12	Printed Wiring Board Diagrams	DIA-12
How to check lamp runtime	13		
Warning message on the non-standard lamp used ..	13		
Cleaning	14		
Cleaning the projection lens	14		
Cleaning the projector cabinet.....	14		
Security Function Notice	15		
Resetting procedure	15		
Standby Mode Notice	16		
Mechanical Disassembly	17		
Mechanical disassembling flow chart	17		
Optical Parts Disassembly	30		
LCD panel type check	30		
Servicing Notice	35		
Note on the MAIN board replacement	35		
1.EEPROM data transfer.....	35		
2. Adjustment data setting	36		
3. EDID IC replacement.....	36		
Adjustments.....	37		
Optical Adjustments.....	38		
Contrast adjustment	38		
Optical center adjustment.....	39		
Electrical Adjustments.....	40		
Service adjustment menu operation	40		
Circuit adjustments	41		
Test points and locations	44		
Service adjustment data	45		
Chassis Block Diagrams.....	66		
Chassis over view.....	66		
System control.....	67		
Lamp control.....	68		
Audio circuit	69		
Power supply & protection circuit	70		
Fan control circuit	71		
Troubleshooting	72		
Indicators and projector condition.....	72		
No power	73		
No picture	74		
No sound	75		

Safety Instructions

The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this service manual.



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



WARNING : Use UV Radiation eye and skin protection during servicing

CAUTION

Precaution

When using the projector in the elevation of below 1 200 m, make sure [Fan control] is set to [Off].

When using the projector in the elevation of above 1 200 m to below 2 000 m, make sure [Fan control] is set to [On 1].

When using the projector in the elevation of above 2 000 m to below 2 700 m, make sure [Fan control] is set to [On 2].

(Refer to "PROJECTOR SETUP menu" in Operating Instructions.)

Failure to observe this may cause malfunctions. Never use this projector at an altitude of 2 700 m or higher above sea level.

Using this projector at high altitude, consult your dealer or Authorized Service Center about preparations.

About lead free solder (PbF)

This projector is using the P.C.Board which applies lead free solder.

Use lead free solder in servicing from the standpoint of antipollution for the global environment.

Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217°C) than standard solder. Typically the melting point is 30~40 °C higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370 ± 10 °C.
- Be precautions about lead free solder. Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600°C or higher).
- Use lead free solder for the P.C.Board (specified on it as "PbF") which uses lead free solder. (When you unavoidably use lead solder, use lead solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After soldering to double layered P.C.Boards, check the component side for excess solder which may flow onto the opposite side.

About the identification of the lead free solder P.C.Board.

For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.

PbF

For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic LCD Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC SOLUTIONS COMPANY.

WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, The user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION : Any unauthorized changes or modifications to this equipment will void the users authority to operate.

Safety precautions

1.1. General Guidelines

- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- Use correctly the supplied power cord and must ground it.
- It is advisable to use an isolation transformer in the AC power line before the service.
- Be careful not to touch the rotation part (cooling fan, etc.) of this projector when you service with the upper case removed and the power supply turned ON.
- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

1. Prepare the measuring circuit as shown in Fig.1.
Be sure to use a voltmeter having the performance described in Table 1.
2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.
3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
4. Change the connection of M1 from T1 to T2 and measure the voltage again.
5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75mA or less.
6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

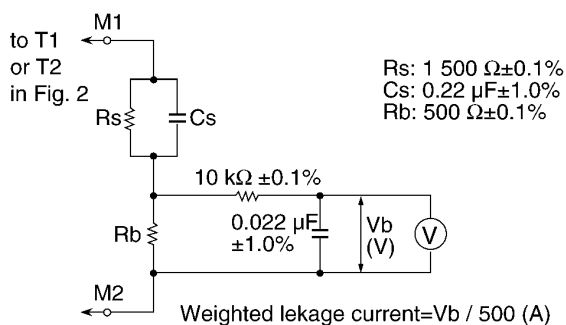


Fig. 1

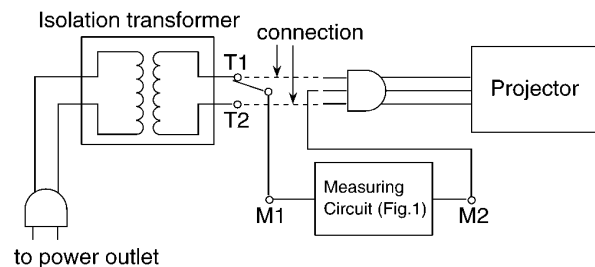


Fig. 2

	Performance
Voltmeter (rms reading)	Accuracy: $\leq 2\%$
	Input resistance: $\geq 1\ \text{M}\Omega$
	Input capacitance: $\leq 200\ \text{pF}$
	Frequency range: 15 Hz to 1 MHz

Table. 2

1.3. UV Precaution and UHM Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its operation, wait until it cools completely when replacing the Lamp Unit.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.
- The lamp unit has high internal pressure. If improperly handled, explosion might result.
- Because the high pressure lamp involves a risk of failure, never touch the lamp wire lead during the service.

Specifications

Model No.		PT-VW435NU / E / EA	PT-VX505NU / E / EA
Power supply		AC100 V - 240 V 50 Hz/60 Hz	
Power consumption		100 V - 240 V 4.0 A-1.6 A 365 W	
		When [Standby mode] of [Setting] is set to [ECO]: 0.3 W	
		When [Standby mode] of [Setting] is set to [Network]: 12.9 W or less	
		When [Standby MIC out] of [Sound] is set to [On]: Max.26 W	
LCD panel	Panel size	1.5 cm(0.59") (aspect ratio 16 : 10)	1.6 cm(0.63") (aspect ratio 4 : 3)
	Display method	3 transparent LCD panels (RGB)	
	Drive method	Active matrix method	
	Pixels	1 024 000 (1 280 x 800) x 3 panels	786 432 (1 024 x 768) x 3 panels
Lens		Manual zoom (1.6x) / Manual focus / Lens shift F 1.6 to 2.12, f 15.28 mm to 24.62 mm	
Luminous lamp		280 W UHM lamp	
Light output *1		4 300 lm	5 000 lm
Applicable scanning frequency *3	for RGB signal	Horizontal 15 kHz to 100 kHz, Vertical 50 Hz to 100 Hz	
		Dot clock frequency: 140 MHz or less	
	for YPbPr signal	[525i(480i)] Horizontal 15.75 kHz, Vertical 60 Hz [525p(480p)] Horizontal 31.5 kHz, Vertical 60 Hz [750(720)/60p] Horizontal 45 kHz, Vertical 60 Hz [1 125(1080)/60i] Horizontal 33.75 kHz, Vertical 60 Hz [625i(576i)] Horizontal 15.63 kHz, Vertical 50 Hz [625p(576p)] Horizontal 31.25 kHz, Vertical 50 Hz [750(720)/50p] Horizontal 37.5 kHz, Vertical 50 Hz [1 125(1080)/50i] Horizontal 28.13 kHz, Vertical 50 Hz • HD/SYNC and V terminals are not compliant with 3 value composite SYNC	
	for Video signal (including S-Video)	Horizontal 15.75 kHz / 15.63 kHz, Vertical 50 Hz / 60 Hz	
	for HDMI signal	525p(480p), 625p(576p), 750(720)/60p, 750(720)/50p, 1 125(1 080)/60p, 1 125(1 080)/50p, 1 125(1 080)/60i, 1 125(1 080)/50i • Displayable resolution: VGA to WUXGA (non-interlace) • Dot clock frequency: up to 162 MH	
Color system		7 (NTSC, NTSC4.43, PAL, PAL-N, PAL-M, SECAM, PAL60)	
Projection size		0.76 m-7.62 m(30"-300")	
Screen aspect ratio		16 : 10	4 : 3
Projection scheme		Front / Rear / Mount on Ceiling / Floor (Menu setting system)	
Speaker		1 (4.0 cm round-type)	
Maximum usable volume output		10 W	
Contrast ratio *2		3 500 : 1 (all white / all black)	4 000 : 1 (all white / all black)

*1: These values of light output are measured under the condition that [Lamp power] is set to [Normal], [Image select] is set to [Dynamic] and [Lens Shift] is adjusted to the lowest level. measurement, measuring conditions and method of notation all comply with ISO21118 international standards.

*2: The value of contrast ratio is measured under the condition that [Lamp power] is set to [Normal], [Image select] is set to [Dynamic], [Lens Shift] is adjusted to the lowest level and [Iris] is set to [On]. Measurement, measuring conditions and method of notation all comply with ISO21118 international standards.

*3: For details of video signals that can be projected using this projector, refer to "List of compatible signals" on the user's manual.

Specifications

Model No.		PT-VW435NU / E / EA	PT-VX505NU / E / EA
Terminals	COMPUTER IN 1 /COMPONENT IN	1 (D-sub 15 pin female) [RGB signal] 0.7 V [p-p] 75 Ω (When G-SYNC: 1.0 [p-p] 75 Ω HD/SYNC TTL high impedance, automatic positive/negative polarity compatible VD TTL high impedance, automatic positive/negative polarity compatible [YPbPr signal] Y: 1.0 V [p-p] including synchronization signal, PbPr: 0.7 V [p-p] 75 Ω	
	COMPUTER IN 2 /MONITOR OUT	[RGB signal] 0.7 V [p-p] 75 Ω (When G-SYNC: 1.0 [p-p] 75 Ω HD/SYNC TTL high impedance, automatic positive/negative polarity compatible VD TTL high impedance, automatic positive/negative polarity compatible	
	VIDEO IN	1 (RCA pin jack 1.0 V [p-p] 75 Ω)	
	S-VIDEO IN	1 (Mini DIN 4 pin, Y 1.0 V [p-p], C 0.286 V [p-p] 75 Ω, S1 signal compatible)	
	HDMI IN	1 (HDMI 19 pin, HDCP and Deep color compatible)	
	AUDIO IN	2 (M3 stereo mini jack, 0.5 V [rms], input impedance 22 kΩ and more) 1 (RCA pin jack x 2 (L-R), 0.5 V [rms], input impedance 22 kΩ and more)	
	VARIABLE AUDIO OUT	1 (M3 stereo mini jack, stereo monitor output compatible, 0 V [rms] to 2.0 V [rms] valuable, output impedance 2.2 kΩ and less)	
	USB	USB connector (type A x 1 or type B x 1)	
	SERIAL IN	1 (D-sub 9 pin, RS-232C compliant, for computer control use)	
	LAN	1 (for RJ-45 network connection, PLink compatible,)	
Wireless LAN	Specification standards	IEEE802.11b/g/n (Standard Protocol)	
	Channel	IEEE802.11b/g/n : 1 ~ 13 channel	
	Communication range	About 30 m (It may differ depending on operating environment.)	
Power cable length		2.0 m(78 3/4")	
Cabinet		Molded plastic	
Dimensions		Width: 379 mm (14.92") Height: 107 mm (4.21") (when front adjustable feet shortened) Depth: 305 mm (12.01") (excluding protractions)	
Weight		Approx.4.8 kg(10.58 lbs.) *4	
Operating environment		Operating environment temperature*5: 0 °C (32 °F) to 40 °C (104 °F) (Elevation: below 1 200 m; [Fan control]: [Off]) 0 °C (32 °F) to 30 °C (86 °F) (Elevation: 1 200 m ~ 2 000m; [Fan control]: [On1]) 0 °C (32 °F) to 30 °C (86 °F) (Elevation: 2 000 m ~ 2 700m; [Fan control]: [On2]) Operating environment humidity: 20 % to 80 % (no condensation)	
Remote control	Power supply	DC 3 V (battery (AAA/R03 or AAA/LR03 Type) x 2)	
	Operating range	Approx. 7 m (275.6") (when operated directly in front of receptor)	
	Weight	102 g (3.6 ozs.) (including batteries)	
	Dimensions	Width : 48 mm (1.89"), Length : 145 mm (5.71"), Height : 27 mm (1.06")	

*4: This is an average value. It may differ depending on individual product.

*5: If [Lamp power] is set to [Normal] and the operating environment temperature exceeds 35°C(95 °F), [Lamp power] may be changed to [Eco] automatically.

• The part numbers of accessories and separately sold components are subject to change without notice.

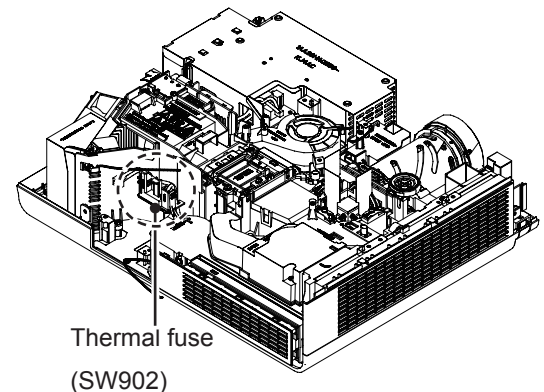
Circuit Protections

This projector provides the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

Thermal fuse (SW902)

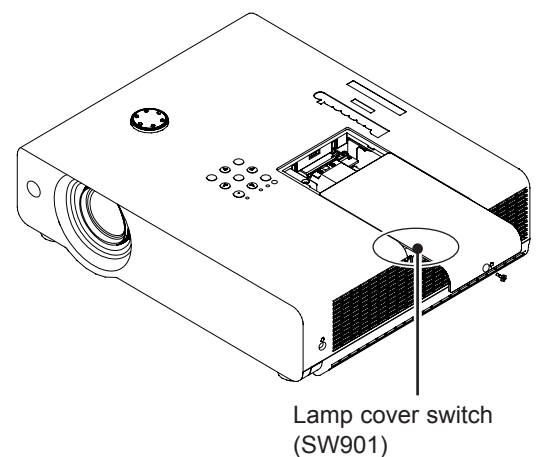
There is a thermal fuse (SW902) inside of the projector to detect the internal temperature rising abnormally. When the internal temperature around lamp reaches near 113°C, the thermal fuse will open to cut off the power supply to the lamp power circuit.

If the thermal fuse opens, the projector cannot turn on. Thermal fuse replacement is required.



Lamp cover switch (SW901)

The lamp cover switch (SW901) cuts off the drive signal to the lamp circuit when the lamp cover is removed or not closed completely. After opening the lamp cover for replacing the lamp assy, place the lamp cover correctly otherwise the projector can not turn on.



Fuse (F601)

A fuse is located inside of the projector. When the ON(G)/STANDBY(R) indicator is not lighting, the fuse may be opened. Check the fuse as following steps.

The fuse should be used with the following type;

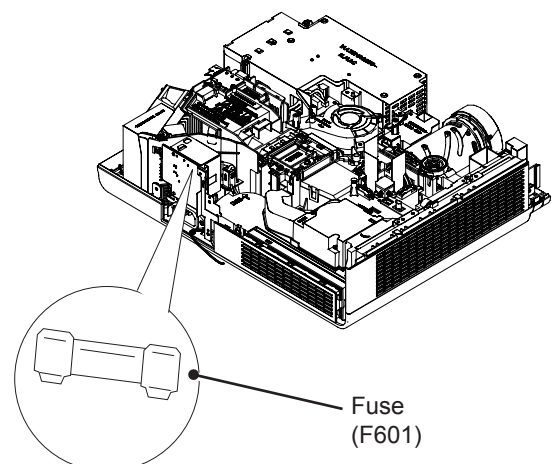
Fuse Part No.: 423 035 3004
TYPE T8AH 250V FUSE
LITTEL FUSE INC. TYPE 0215008.MXEP

or

Fuse Part No. : 424 007 3909
TYPE 8AH 250V FUSE
SKY-GATE, Ltd. TYPE SG5013008P-R

How to replace the fuse

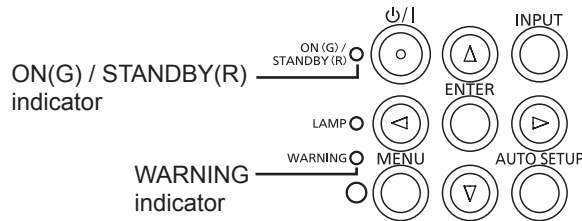
1. The fuse is placed on the AC 1ST FILTER board. Remove the cabinet top, MAIN&AV board following the "Mechanical Disassembly" .
2. Take the fuse off , and replace the old one with the specified type.



Warning temperature and power failure protection

The projector will be automatically turned off when the internal temperature of the projector is abnormally high, or the cooling fans stop spinning, or the power supplies in the projector are failed.

LED indicator



The projector is shut down and the WARNING indicator is blinking red.

When the temperature inside the projector reaches a certain level, the projector will be automatically shut down to protect the inside of the projector and the WARNING and ON(G)/STANDBY(R) indicators start blinking. When the projector has cooled down enough (to its normal operating temperature), the ON(G)/STANDBY(R) indicator stops blinking and lights red. The projector can be turned on again by pressing the ⏻/⏿ button.

✓ Note:

The WARNING indicator continues to blink even after the temperature inside the projector returns to normal. When the projector is turned on again, the WARNING indicator stops blinking.

Check items

- Remove dust around the air filter.
- Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature.

The projector is shut down and the WARNING indicator lights red.

When the projector detects an abnormal condition, it is automatically shut down to protect the inside of the projector and the WARNING indicator lights red. In this case, unplug the AC power cord and reconnect it, and then turn the projector on once again to verify operation.

✓ Note:

- If the WARNING indicator lights red, it may defect the cooling fans or power supply circuits. Check fans operation and power supply lines referring to the chapter "Power supply & protection circuit" and "Fan control circuit" in the Chassis Block Diagram section.



WARNING

DO NOT LEAVE THE PROJECTOR WITH THE AC POWER CORD CONNECTED UNDER AN ABNORMAL CONDITION. IT MAY RESULT IN FIRE OR ELECTRIC SHOCK.

Maintenance

Before replacing the unit

When you perform maintenance or replacement of the parts, make sure to turn off the power and disconnect the power plug from the wall outlet.

Maintenance

■ Outer Case

Wipe off dirt and dust using a soft dry cloth.

- If the dirt is persistent, soak the cloth with water and wring it thoroughly before wiping. Dry off the projector with a dry cloth.
- Do not use benzene, thinner, or rubbing alcohol, other solvents, household cleaners, or chemical treated dusters. Using them may cause deterioration of the outer case.

■ Front glass surface of the lens

Wipe off the dirt and dust off the front surface of the lens with soft clean cloth.

- Do not use a cloth that has an abrasive surface or a cloth that is moist, oily, or covered with dust.
- Do not use excessive force when wiping the lens as it is fragile.

Attention

The lens is made of glass. Impacts or excessive force when wiping may scratch its surface. Please handle with care.

Replacing the unit

■ Air filter unit

Filter prevents dust from accumulating on the optical elements inside the projector. Should the filter become clogged with dust particles, it will reduce cooling fans' effectiveness and may result in internal heat buildup and adversely affect the life of the projector. If a "Filter warning" icon appears on the screen, replace the filter immediately.

■ Replacement of the air filter unit (side)

1) Remove the air filter cover.

- Open the air filter cover in the direction of the arrow in the figure and remove it.

2) Remove the air filter unit.

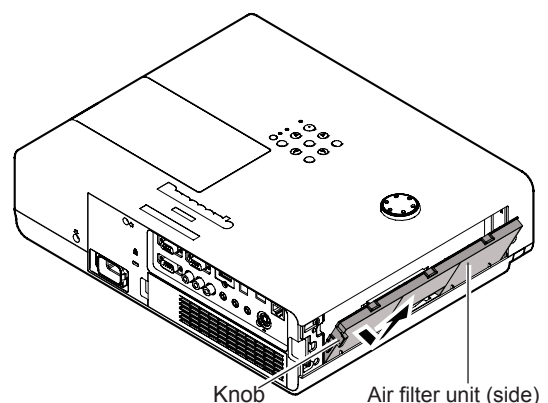
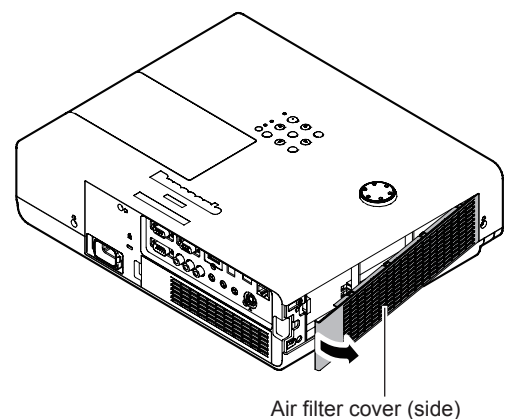
- i) Hold the knob of the air filter unit and pull out in the direction of the arrow, the top of the air filter unit will pop up.
- ii) Take out the air filter unit upwards.
 - After removing the air filter unit, remove large foreign objects and dust from the air filter compartment and the projector's air intake port if there are any.

3) Insert the new air filter unit.

- Hold the air filter unit that the knob is outside of the projector, perform Step 2) in the reverse order.
- Do not press the filter part when push into the projector at last

4) Install the air filter cover.

- Make sure that the air filter cover is closed tightly



Replacement air filter unit: ET-RFV200
(a pair of air filter unit for back and side)

■ Replacement of the air filter unit (back)

1) Remove the air filter cover.

- Open the air filter cover in the direction of the arrow in the figure and remove it.

2) Remove the air filter unit.

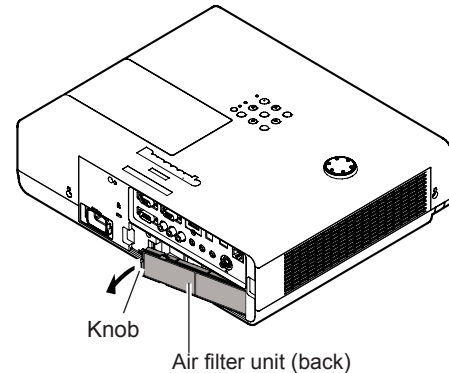
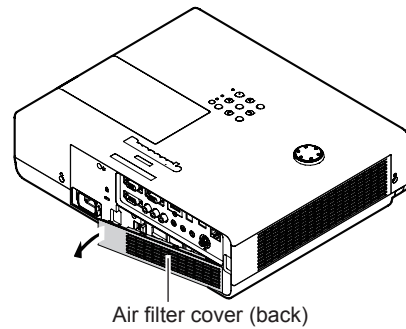
- Hold the knob of the air filter unit and pull out in the direction of the arrow.
- After removing the air filter unit, remove large foreign objects and dust from the air filter compartment and the projector's air intake port if there are any.

3) Insert the new air filter unit.

- Hold the air filter unit that the knob is outside of the projector, perform Step 2) in the reverse order.
- Do not press the filter part when push into the projector at last

4) Install the air filter cover.

- Make sure that the air filter cover is closed tightly



■ Resetting the filter counter

After replacing the air filter units, be sure to reset the filter counter.

1) Press ▲▼ to select [Filter counter reset].

2) Press the <ENTER> button.

[Filter counter Reset?] appears. Select Yes to continue. Another confirmation dialog box appears, select Yes to reset the Filter counter.

Attention

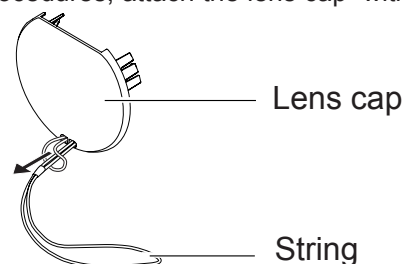
- Turn off the power before you replace the air filter unit.
- When attaching the air filter unit, make sure that the projector is stable, and work in an environment that is safe, even in the event of the air filter unit dropping.
- Do not operate the projector with the filters removed. Dust may accumulate on the optical elements degrading picture quality.
- Do not put anything into the air vents. Doing so may result in malfunction of the projector.
- Do not wash the filters with water or any other liquid matter. Otherwise the filters may be damaged.

■ Attaching the lens cap

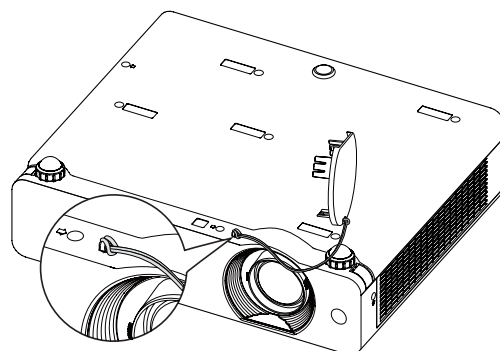
When moving this projector or while not using it over an extended period of time, attach the lens cap.

To prevent loss for the lens cap, please according to the following procedures, attach the lens cap with the string of accessories.

1) Thread the thinner end of the string through the hole on the lens cap.



2) Thread the other end of the string through the hole on the bottom of the projector.



■ Lamp unit

The lamp unit is a consumable component. You can check the total usage time using Lamp runtime in the Information menu.

It is recommended to ask an authorized engineer to replace the lamp unit. Contact your dealer.

Consult your dealer to purchase a replacement lamp unit.

Replacement lamp unit: ET-LAV200

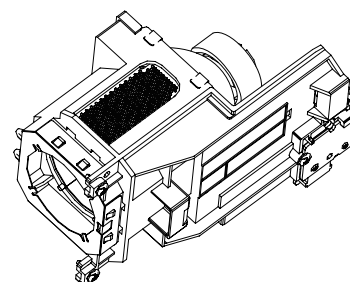
CAUTION:

■ Do not replace the lamp unit when it is hot. (Wait at least 1 hour after use.)

The inside of the cover can become very hot, take care to avoid burn injuries.

■ Notes on the replacement of the lamp unit

- The luminous source of the lamp is made of glass and may burst if you hit it against a hard surface or drop it.
Please handle with care.
- A Phillips screwdriver is required for replacement of the lamp unit.
- When replacing the lamp unit, be sure to hold it by the handle.
- When replacing the lamp because it has stopped illuminating, there is a possibility that the lamp may be broken. If replacing the lamp of a projector which has been installed on the ceiling, you should always assume that the lamp is broken, and you should stand to the side of the lamp cover, not underneath it. Remove the lamp cover gently. Small pieces of glass may fall out when the lamp cover is opened. If pieces of glass get into your eyes or mouth, seek medical advice immediately.
- The lamp contains mercury. Consult your local municipality or your dealer about correct disposal of used lamp units.





Attention

- Do not use other than designated lamp units.
- The part numbers of accessories and separately sold components are subject to change without notice

■ When to replace the lamp unit

The lamp unit is a consumable component. Brightness decreases according to duration of usage, so periodical replacement of the lamp unit is necessary. When the projection lamp of the projector reaches its end of life, the lamp replacement icon appears on the screen and <LAMP> indicator lights yellow. Replace the lamp with a new one promptly.

Lamp runtime	On screen Lamp replacement icon 	LAMP indicator 
Over 2 500 hours*	The message is displayed for 4 seconds. If you press any button within the 4 seconds, the message disappears.	Lights in yellow (even in stand-by mode).
Over 2 700 hours*	If the power is turned on without replacing the lamp, the power automatically turns off after approximately ten minutes to prevent the malfunction of the projector.	

*2 700 hours of use is a rough guideline, but is not a guarantee. The lamp runtime differs depending on the setting of "Lamp power" menu.

Note

- Allow a projector to cool enough before you open the lamp cover. The inside of the projector can become very hot.
- The Lamp replacement icon will not appear when the [Display] function is set to [Off], or during "Freeze", or "AV mute".

Replacing the lamp unit

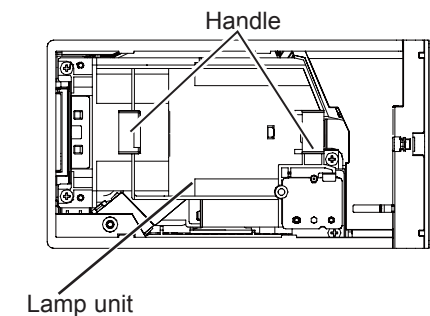
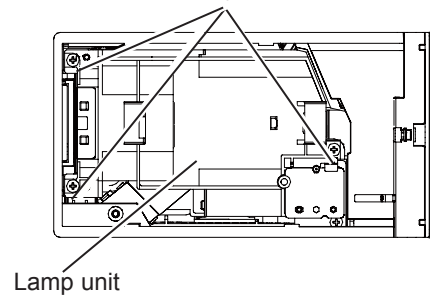
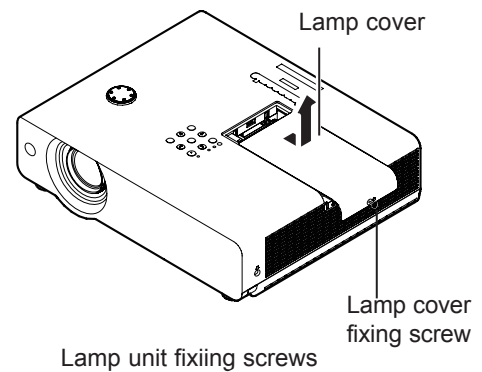
CAUTION:

- When the projector is mounted on a ceiling, do not work with your face close to the projector.
- Attach the lamp unit and the lamp cover securely.
- When you experience difficulty in installing the lamp, remove it and try again. If you use force to install the lamp, the connector may be damaged.

- 1) **Turn off the projector. Unplug the AC power cord. Wait at least 1 hour and make sure the lamp unit and surroundings are cool.**
- 2) **Use a Phillips screwdriver to loosen the lamp cover fixing screw and remove the lamp cover.**
 - Remove the lamp cover by pulling it slowly toward the direction of the arrow.
- 3) **Use a Phillips screwdriver to loosen the three lamp unit fixing screws until the screws turn freely. Hold the used lamp unit by its handles, and pull it gently from the projector.**
- 4) **Insert the new lamp unit in correct direction. Tighten the three lamp unit fixing screws securely with a Phillips screwdriver**
- 5) **Attach the lamp cover, and tighten the lamp cover fixing screw securely with a Phillips screwdriver.**
 - Attach the lamp cover by pushing it slowly opposite the direction of the arrow.

Note

- When you replace the new lamp unit, the projector resets the total usage time of the lamp unit automatically.



How to check lamp runtime


The LAMP indicator will light yellow when the total lamp used time (Corresponding value) reaches 2,500 hours. This is to indicate that lamp replacement is required. The total lamp used time is calculated by using the below expression.

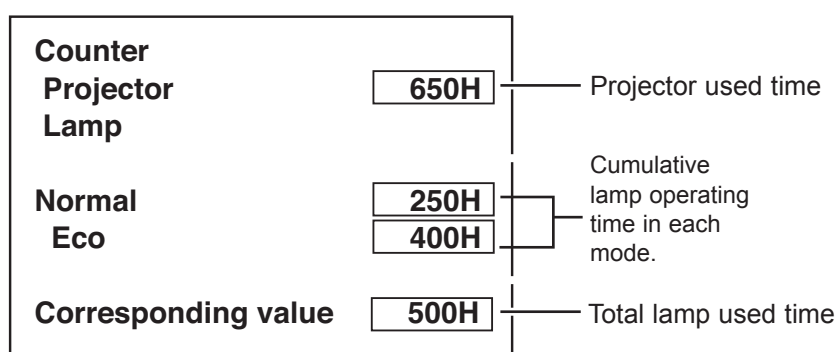
Total lamp used time (Corresponding value) = $T_{\text{normal}} + T_{\text{eco}} \times 0.625$

T_{normal} : used time in the normal mode

T_{eco} : used time in the eco mode

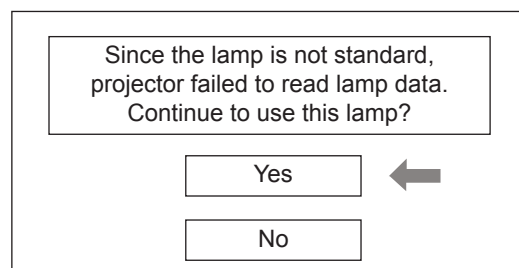
You can check the lamp used time following to the below procedure.

- 1 Press and hold the  button on the projector or the remote control for more than 20 seconds.
- 2 The projector used time and lamp used time will be displayed on the screen briefly as follows.



Warning message on the non-standard lamp used

If the non-standard lamp is used, the warning and confirmation messages will appear on the screen every startup. Some of the functions are limited when the non-standard lamp is used in spite of the warning.



Cleaning

After long periods of use, dust and other particles will accumulate on the LCD panel, prism, mirror, polarized glass, lens, etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit. Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit.

Cleaning with air spray

Remove the cabinet top following to “Mechanical Disassembly”. Clean up the LCD panel and polarizing plate by using the air spray from the cabinet top opening.

Caution:

Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be very careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

Disassembly Cleaning

Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.

Be sure to readjust the optical system after performing disassembly cleaning.

1. Remove the cabinet top and main units following to “Mechanical Disassembly”.
2. Remove the optical base top following to “Optical Unit Disassembly”. If the LCD panel needs cleaning, remove the LCD panel unit following to “LCD panel replacement”.
3. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

Caution:

The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction. Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.

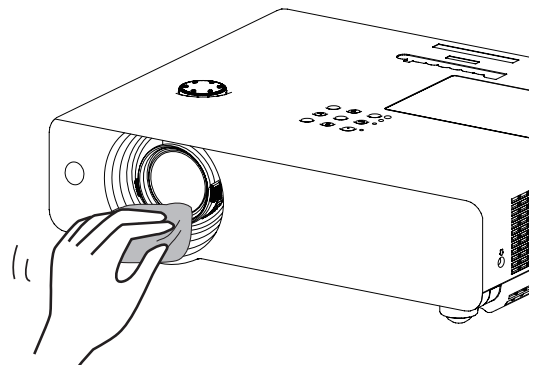
Since the LCD panel is equipped with an electronic circuit, never use any liquids (water, etc.) to clean the unit. Use of liquid may cause the unit to malfunction.

Cleaning the projection lens

Unplug the AC power cord before cleaning.

Gently wipe the projection lens with a cleaning cloth that contains a small amount of non-abrasive camera lens cleaner, or use a lens cleaning paper or commercially available air blower to clean the lens.

Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the lens.

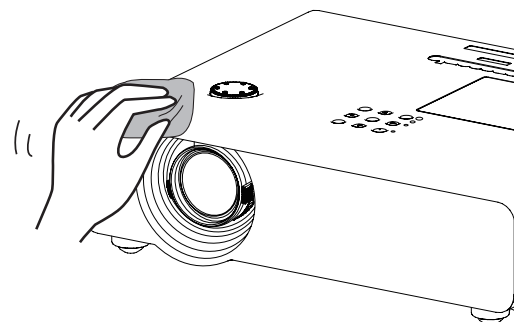


Cleaning the projector cabinet

Unplug the AC power cord before cleaning.

Gently wipe the projector body with a soft dry cleaning cloth. When the cabinet is heavily soiled, use a small amount of mild detergent and finish with a soft dry cleaning cloth. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents or other harsh chemicals might scratch the surface of the cabinet.

When the projector is not in use, put the projector in an appropriate carrying case to protect it from dust and scratches.





Security Function Notice

This projector provides security functions such as "Key lock", "PIN code lock" and "Logo PIN code lock". When the projector has set these security function on, you are required to enter correct PIN code to use the projector. If you do not know the correct PIN code to the projector, the projector can no longer be operated or started. In this case, you must reset those function first according to the resetting procedure described below and then check up on the projector.

Function	Description
Key lock	Locks operation of the top control or the remote control. If the Key lock is enabled with top control lock, the projector can no longer be started. Initial setting: Key lock function is disabled
PIN code lock	Prevents the projector from being operated by an unauthorized person. Initial code: "1234"
Logo PIN code lock	Prevents an unauthorized person for changing the start-up logo on the screen. Initial code: "4321"

Resetting procedure

- 1 Disconnect the AC power cord from the AC outlet.
2. As pressing the **ENTER** button, connect the AC power cord into an AC outlet again.
3. Keep pressing the **ENTER** button and then press the  button.
4. Release the  button first and then release the **ENTER** button.
 - The PIN code lock and Logo PIN code lock will be reset as the initial PIN code at the factory and the key lock function is disabled.

Please refer to the owner's manual for further information of the security functions.

Standby Mode Notice

This projector provides 2 types of standby mode, Eco standby and Network standby. According to the standby mode "Eco" or "Network", several functions are restricted as shown in the table below. To change the standby mode, use the projector's menu "Setting".

Network Supply the power to the network function even after turning off the projector. You can turn on/ off the projector via network, modify network environment, and receive an e-mail about projector status while the projector is powered off.

Eco Select "Eco" when you do not use the projector via network. The projector's network function will stop when turning off the projector.

When "Eco" is selected, several functions will be restricted.

Restricted Function in the standby mode

Function	Eco	Network
Serial command control	✓*1	✓
Network Function	--	✓
Monitor Out	--	✓
Audio Out	--	--
Direct on	✓	✓


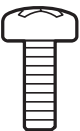
*1 Effective only power-on command.

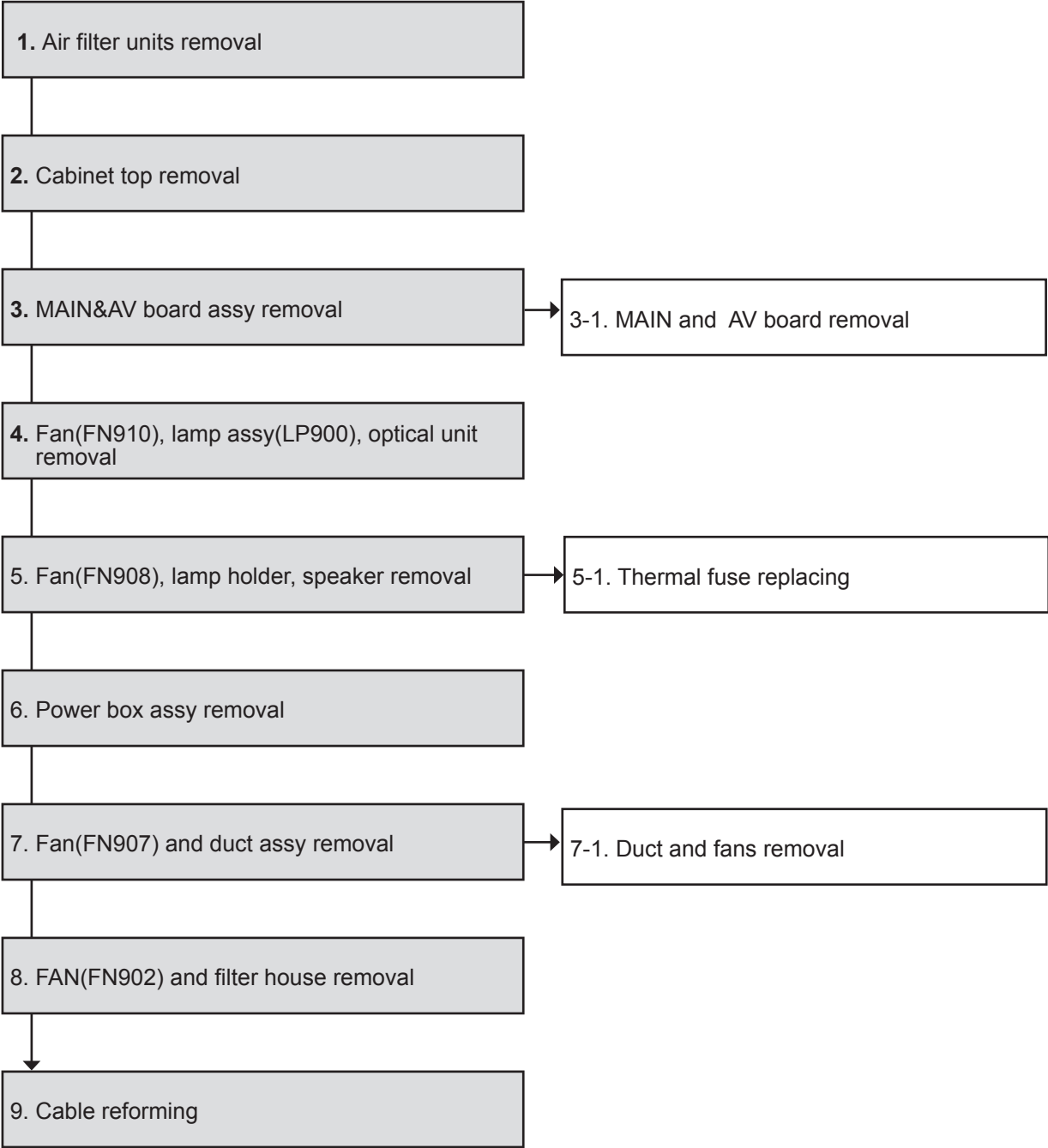
Mechanical Disassembly

Mechanical disassembling flow chart

Mechanical disassembly should be made following procedures in numerical order.
Following steps show the basic procedures, therefore unnecessary step may be ignored.

Caution:
The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.

Screws expression (Type Diameter x Length) mm	
T type	M Type
	



1. Air filter units removal

- 1.Pull out the filter covers (back and side).
- 2.Take out the whole air filter units (back and side).

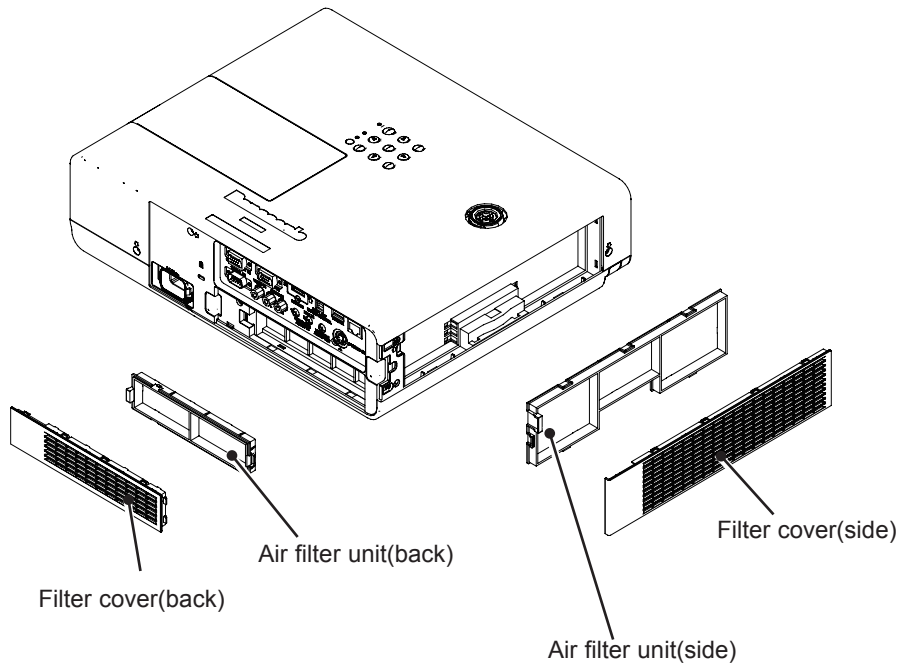


Fig.1

2. Cabinet top removal

1. Loosen 1 screw-A to remove the lamp cover.
2. Remove 8 screws-B (M3x8) and 3 screw C-(T3x10) to remove the cabinet top.
3. Take out the DEC DIAL.

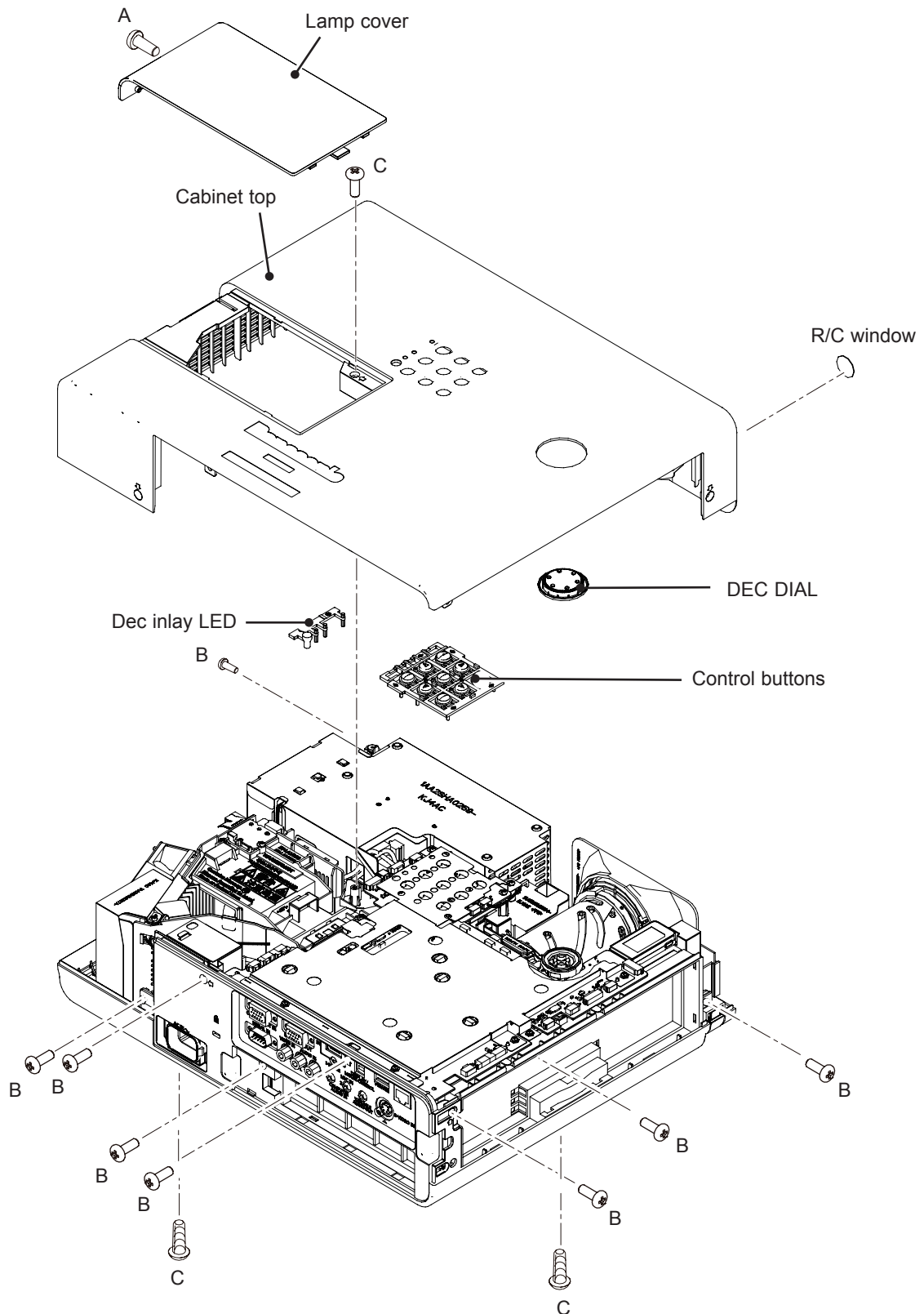


Fig.2

3. MAIN&AV board assy removal

1. Remove 2 screws-A (M3x6) and 5 screws-B (T3x8) to remove the MAIN board shield.
2. Remove 1 screw-C (T3x8) to remove holder DIAL then remove R/C board.
3. Remove 3 screws-D (T3x8) and 2 screws-E (M3x8) to remove the MAIN & AV board assy, then take out the USB wireless LAN.

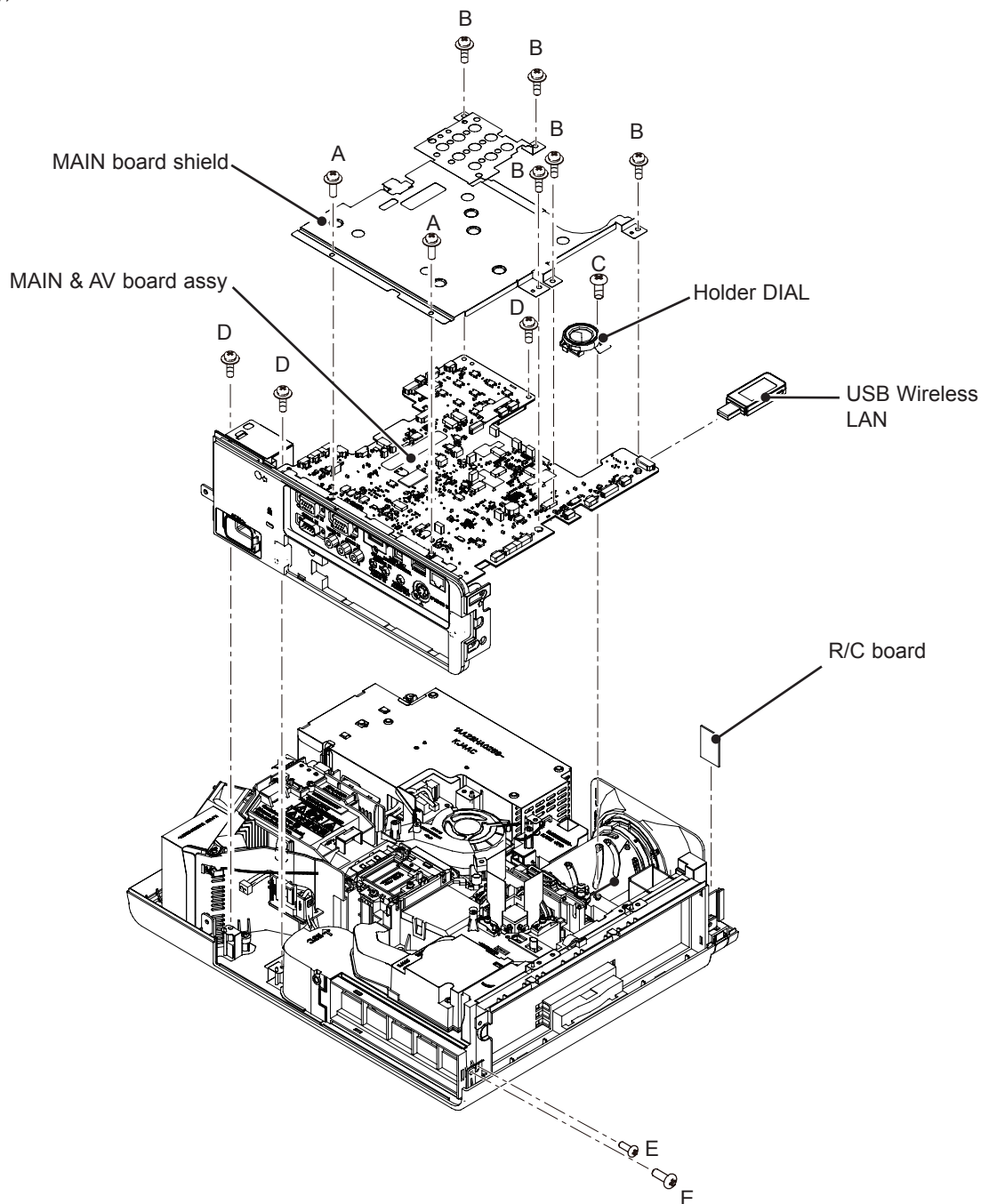


Fig.3

3-1. MAIN and AV board removal

1. Remove 5 screws-A (T3x6) to remove the filter spacer and light spacer and antitheft lock shield, then release the 6 hooks to remove the AV panel.
2. Remove 2 screws-B (M3x6) to remove AC 1ST FILTER board.
3. Remove 2 screws-C (M3x6) and 1 screw-D (M4x6) to remove the AC inlet.
4. Remove 4 hex-screws-E and 1 screw-F (M3x6) to remove the MAIN board.

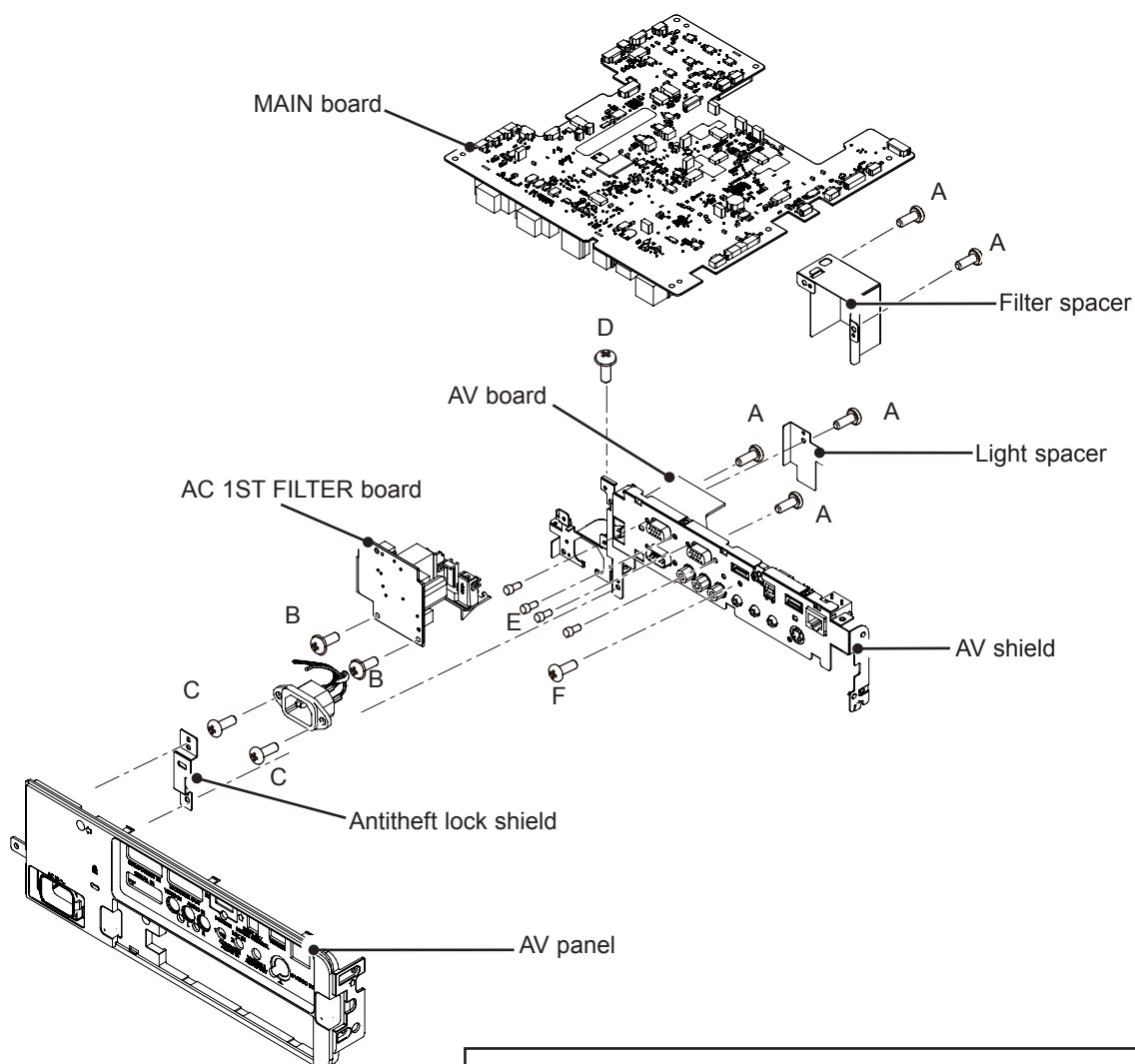
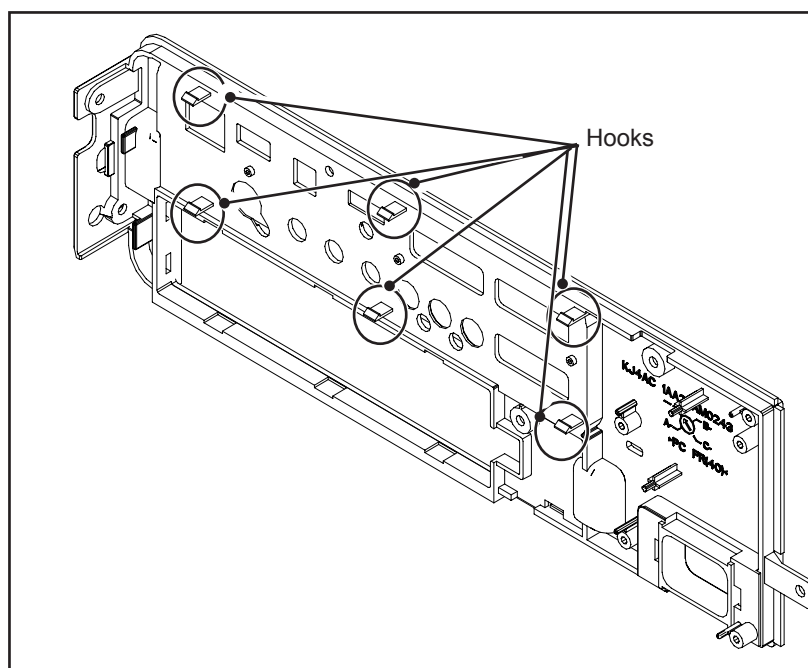


Fig.3-1



4. Fan(FN910), lamp assy(LP900),optical unit removal

1. Remove 3 screws-A(T3x8) to remove the fan(FN910).
Remove 2 screws-B(T3x8) to remove the DEC ring.
2. Loosen 3 screws-C to remove the lamp assy (LP900).
3. Remove 4 screws-D (T3x8) to remove the optical unit.
4. Remove 3 screws-E (T2.5x8) to remove optical shield and Iris assy.

When removing the iris assy, take the iris with its blades closed. When turning the gear on the iris in the arrow direction, the blades of iris will be closed. Do not touch the blades because they are precious parts.

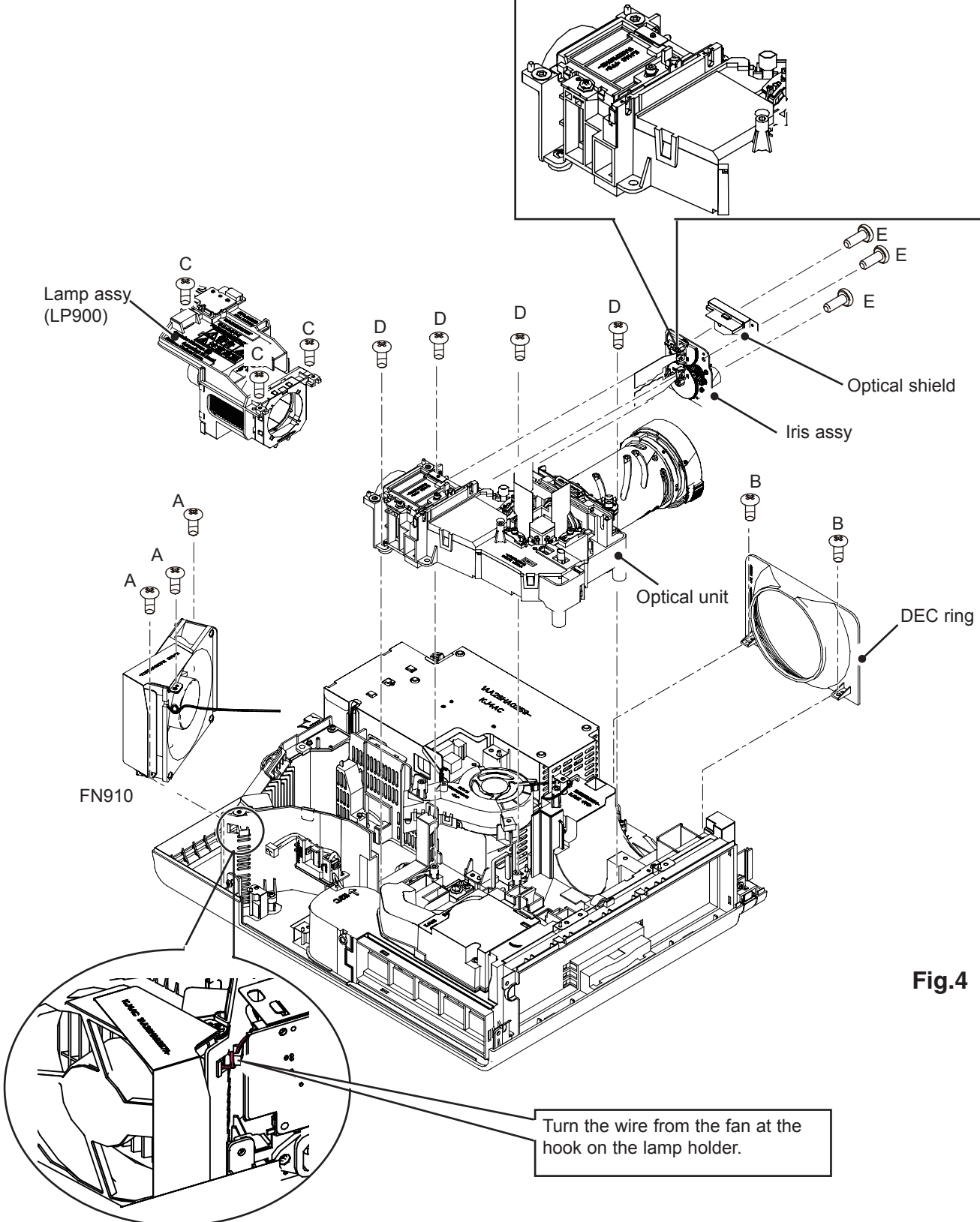
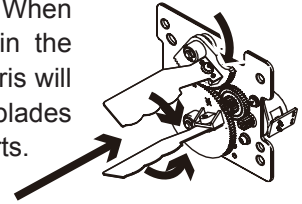


Fig.4

5. Fan(FN908), lamp holder , speaker removal

1. Remove 2 screws-A (T3x12) and 1 screw-B(T3x8) to remove the fan & fan duct assy.
2. Remove 4 screws-B (T3x8) to remove the lamp holder.
3. Remove 1 screw-C (T3x8) to remove the ID CONNECT board and 1 screw-D (T2x10) to remove the lamp cover switch(SW901). Remove 1 screw-E(T3x8) to remove the thermal fuse (SW902). Remove 1 screw-F(T3x8) to remove the lamp socket.
4. Remove 2 screws-G(M3x8) to remove the speaker handle and 2 screws-H (T3x8) to remove the speaker.

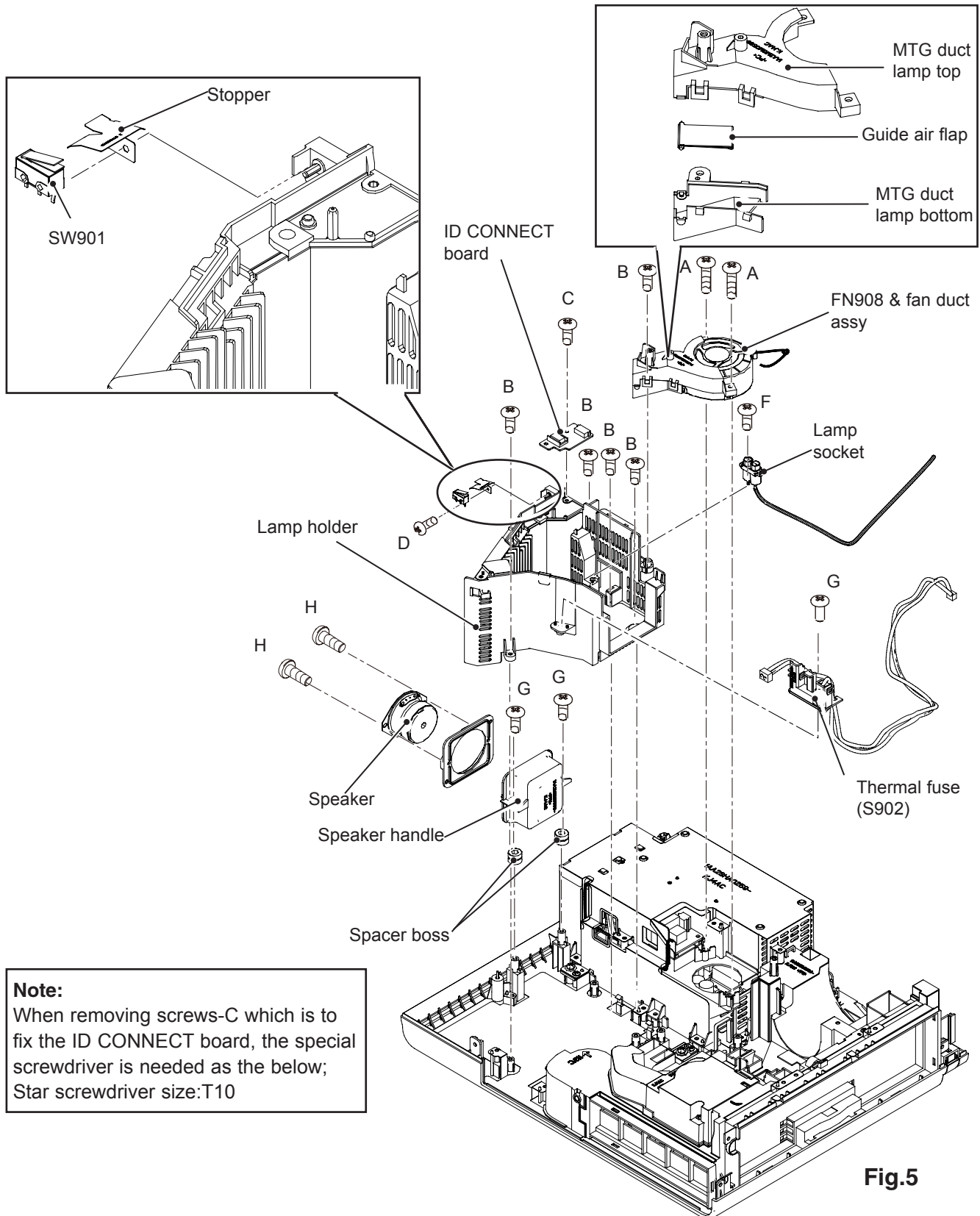


Fig.5

5-1. Thermal fuse replacing

1. Remove the thermal fuse spacer from the thermal fuse mounting.
2. Remove the thermal fuse(SW902).
3. Mount the thermal fuses as shown in the figure below.

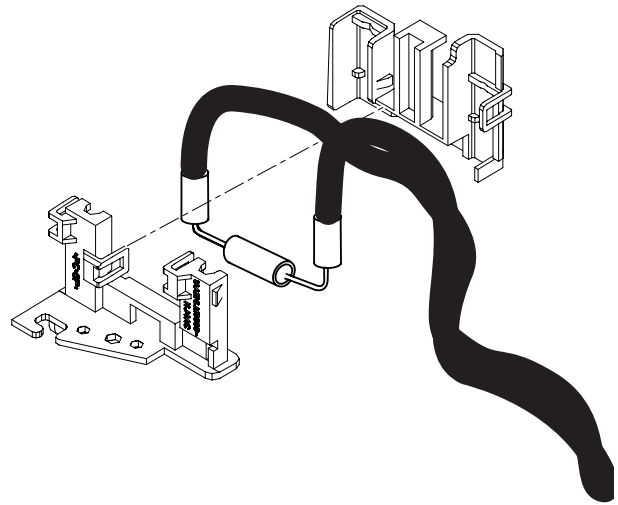
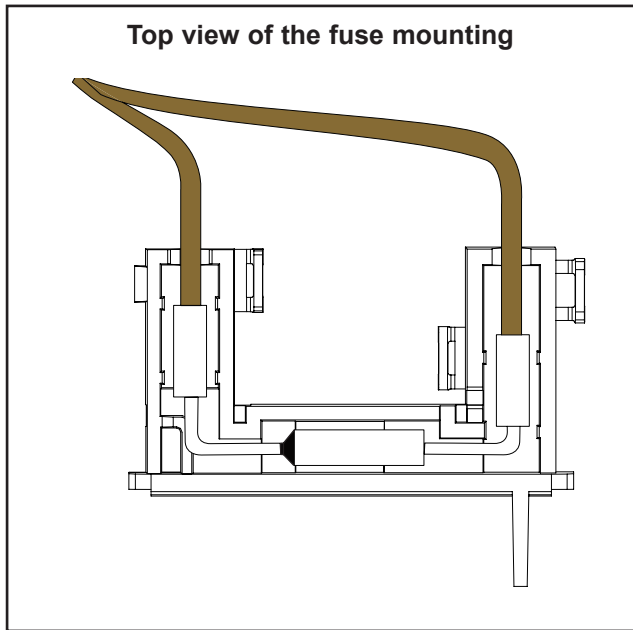


Fig.5-1

6. Power box assy removal

1. Remove 10 screws-A (T3x8) and 1 screw-C(M4x6) to remove the power box assy.
2. Remove 2 screws-D (T3x6) and 2 screws-E (T3x8) to remove POWER board.

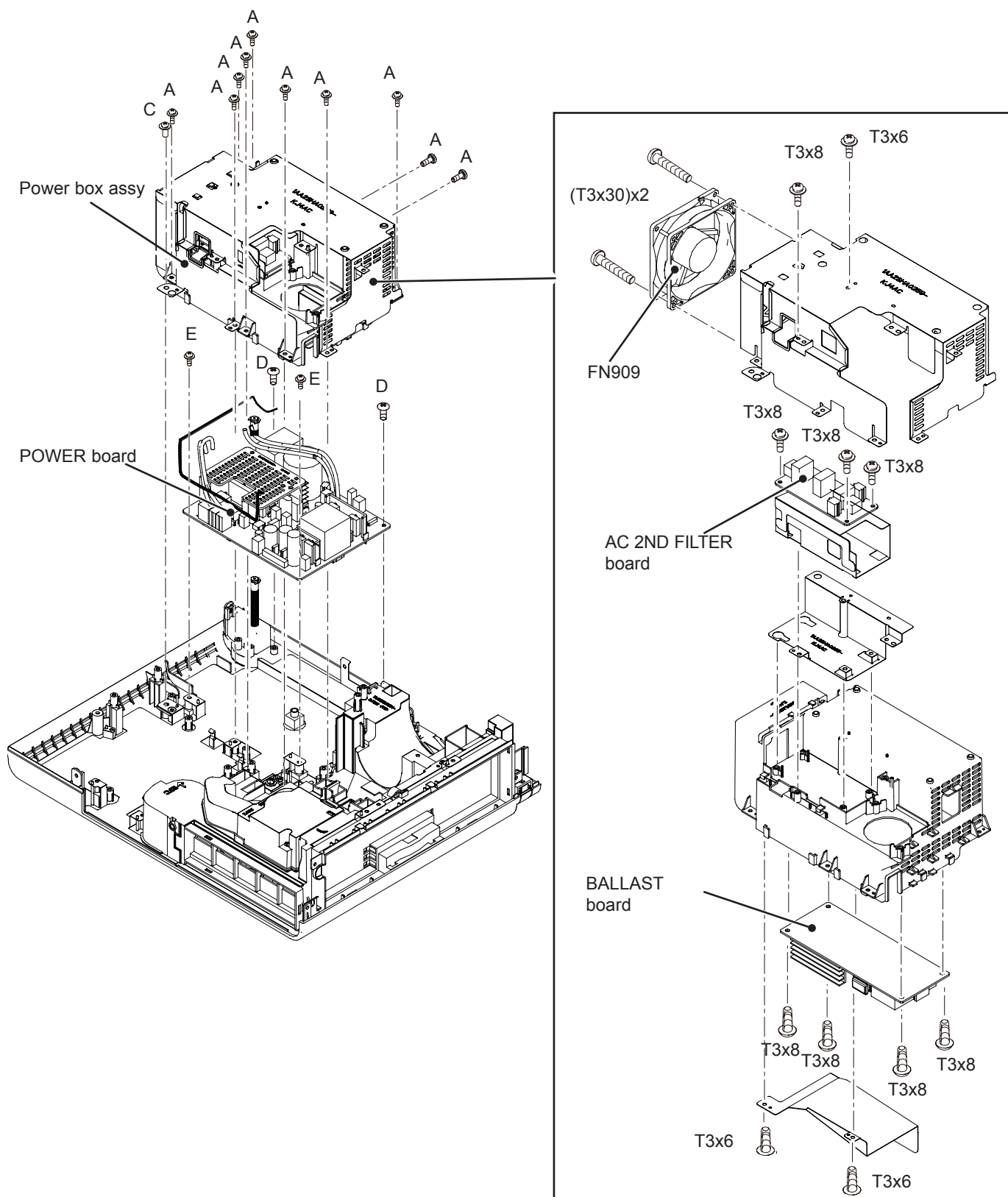


Fig.6

7. Fan(FN907) and duct assy removal

1. Remove 2 screws-A (T3x8) and 1 screw-B (T3x14) to remove the MTG.DCT PBS.
2. Remove 1 screw-C (T3x14) to remove FN907.
3. Remove 3 screw-D (T3x10) and 4 screws-E(T3x8) and 1 hook F to remove MTG DCT LCD.

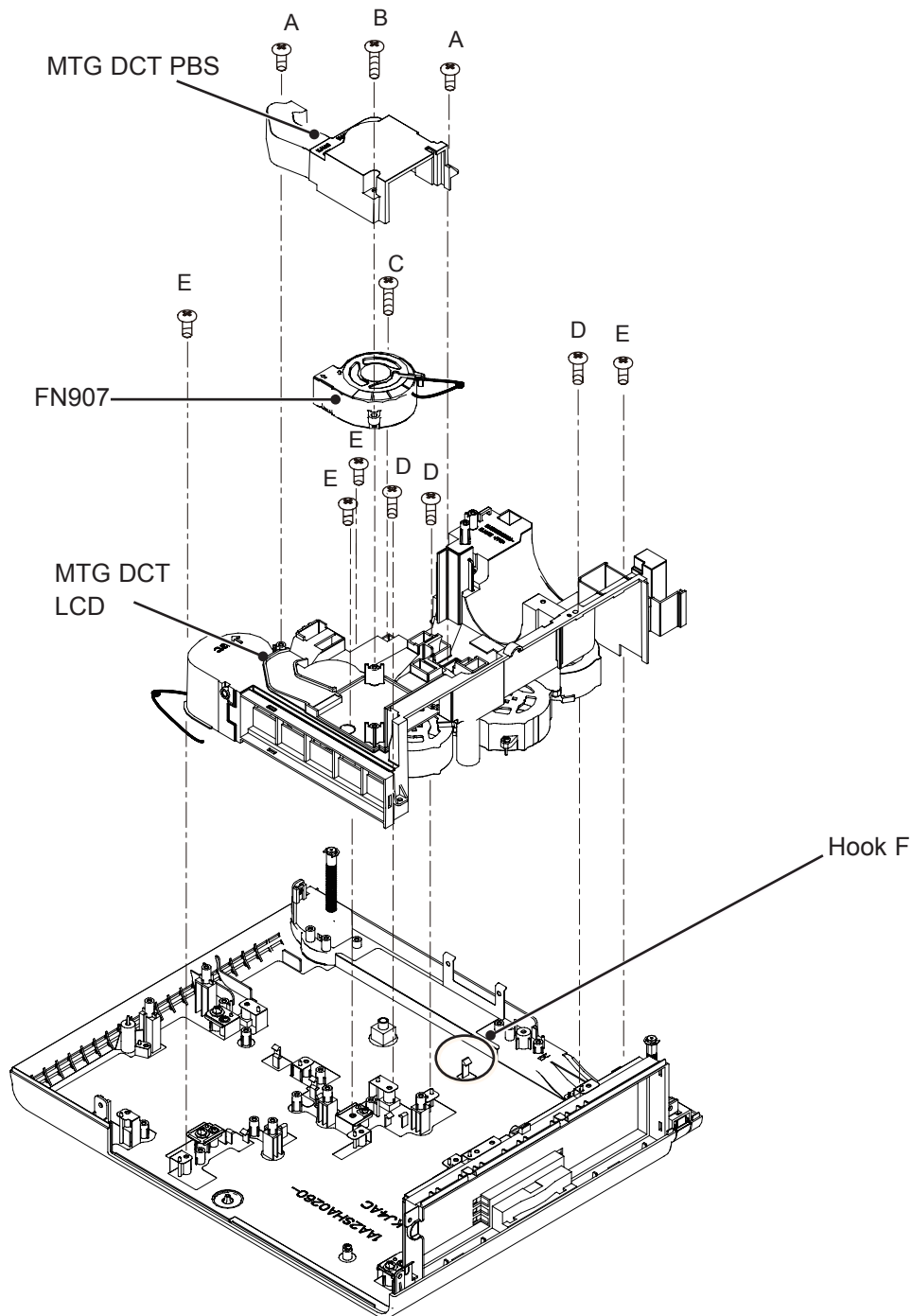


Fig.7

7-1. Duct and fans removal

1. Loosen 8 hooks to separately remove the MTG DCT PBS and MTG DCT LCD.
2. Remove 6 screws-A (T3x12) to remove the FN906, FN905, FN903 and FN901.
3. Pull out the spacer sheet DCT LCD, then remove 2 screws-B (T3x12) to remove the FN904.

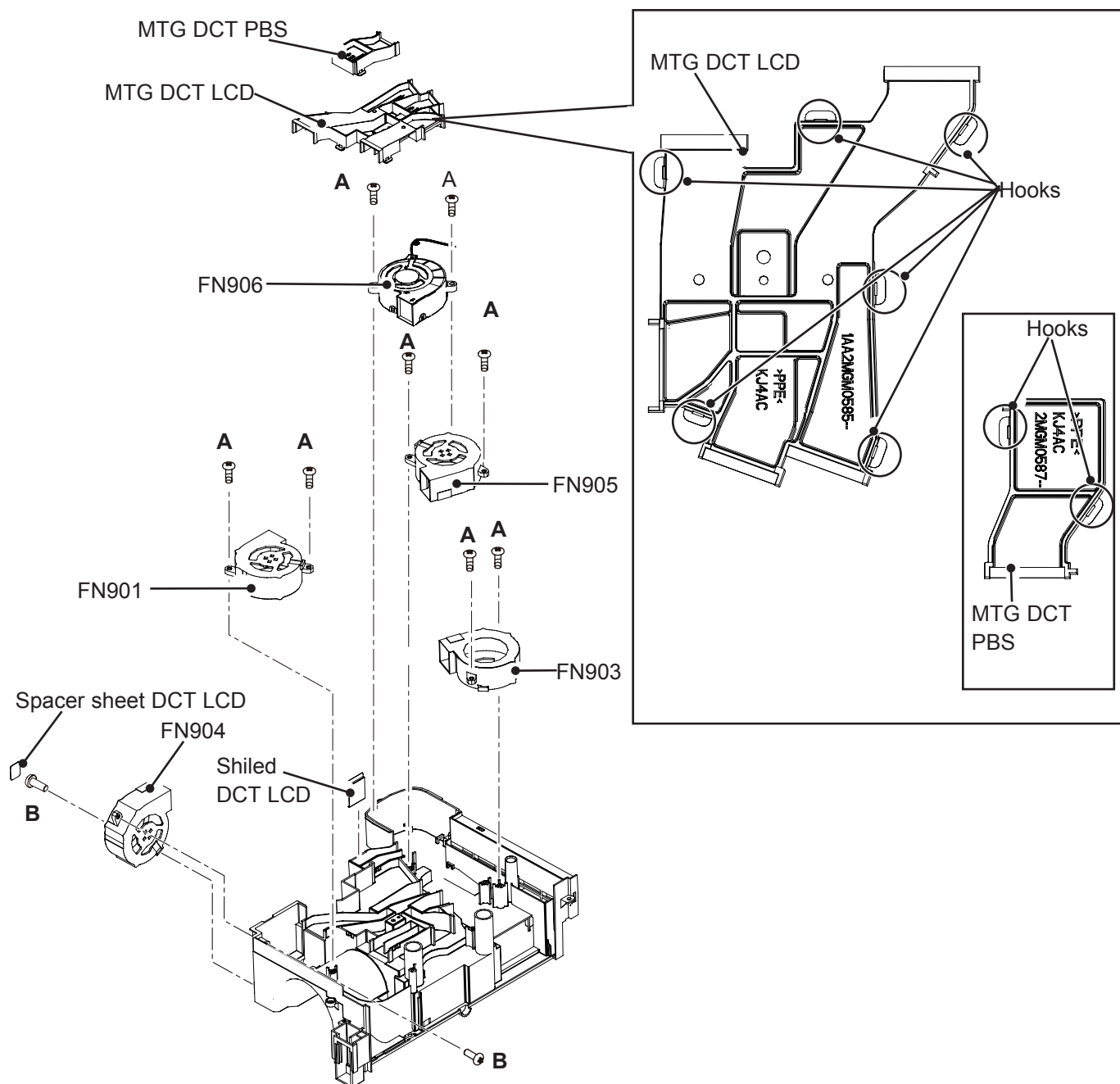


Fig.7-1

8. Fan(FN902) and filter house removal

1. Remove 2 screws-A (M4x6) and 1 screw-B(T3x8) to remove the filter house.
2. Remove 2 screws-C (T3x12) to remove the fan (FN902).

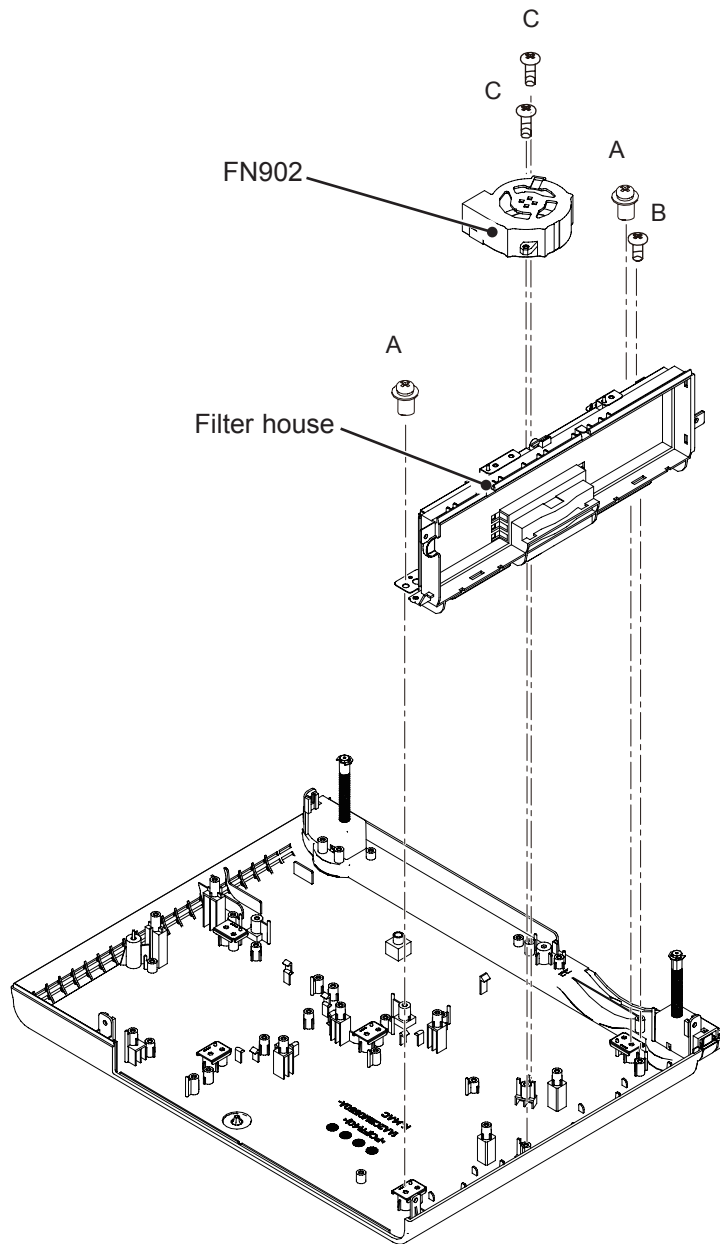


Fig.8

9. Cable reforming

Reform the cables as shown in the figure below. Place the cables at the original position after replacing the parts.

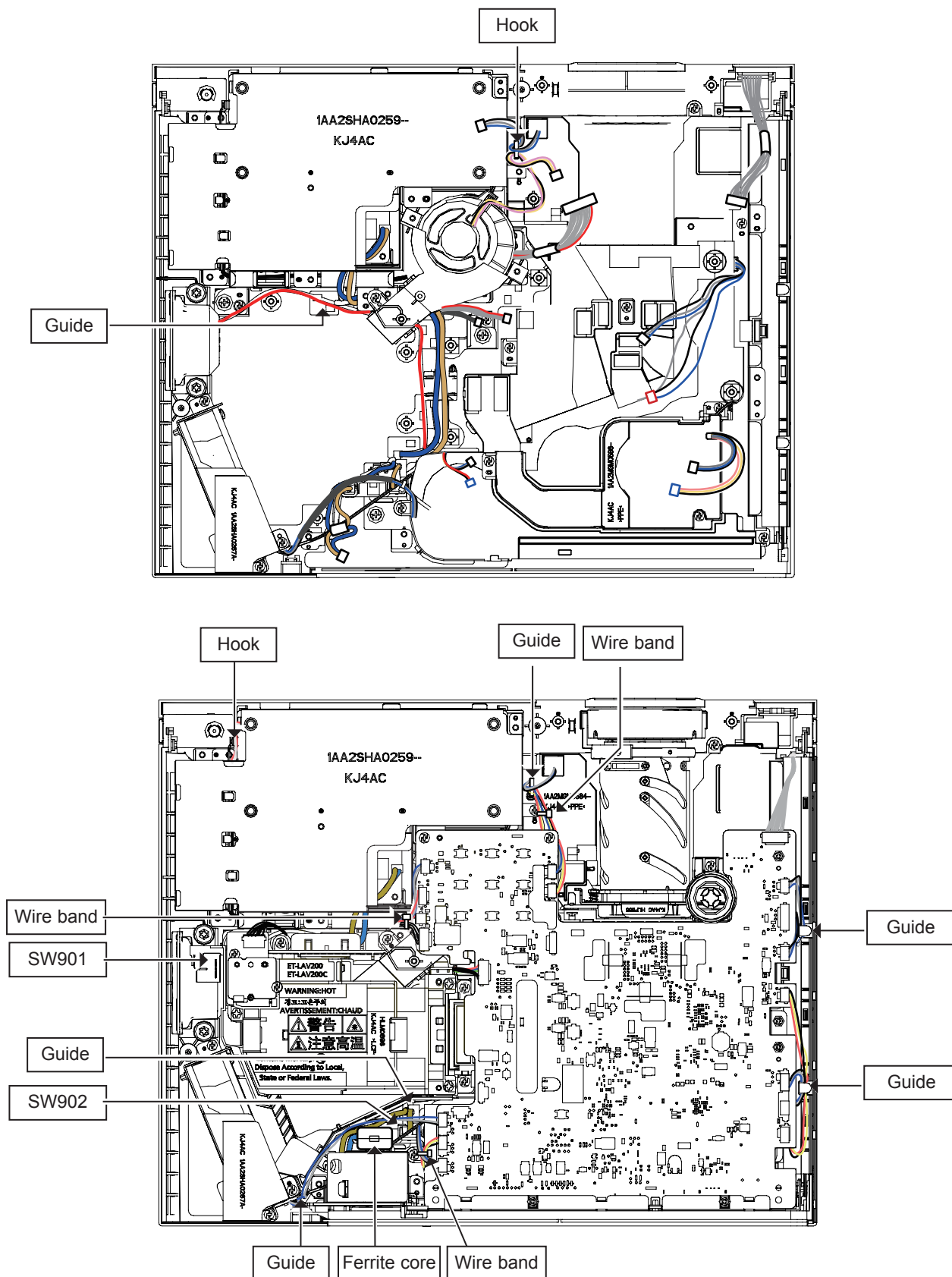


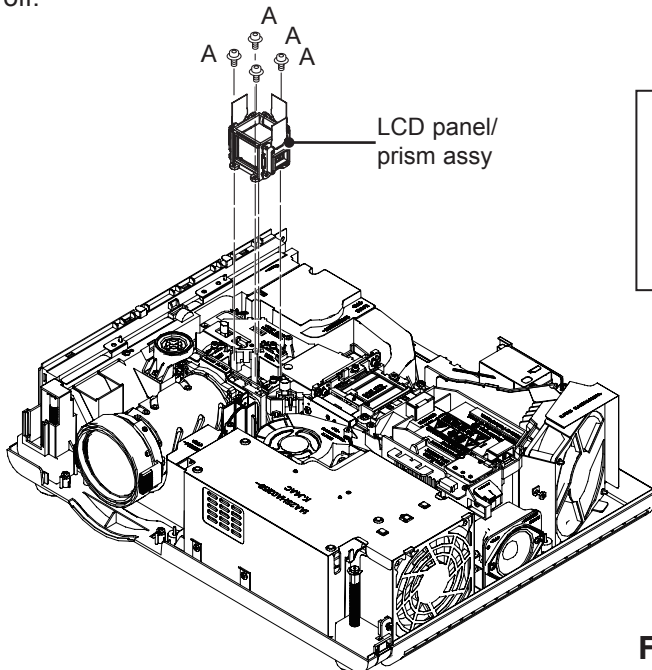
Fig.9

Optical Parts Disassembly

Before taking this procedure, remove Cabinet Top and MAIN Board following to the "Mechanical Disassembly". Disassembly requires a 2.0mm hex wrench.

1. LCD panel/prism assy removal

1. Remove 4 hex-screw A (M2.5x7.8) to take the LCD panel/prism assy upward off.



***Note on handling the LCD panel/prism assy**
Polarized glasses are very sensitive parts.
Never touch or wipe the surface. When removing the dust on the surface, use a commercial (inert gas) air spray to remove them.

Fig.1

LCD panel type check

There are 2 types of LCD panel/prism assy for this model. Either L-type or R-type LCD panel/prism assy is used on the projector. Check which type of LCD panel/prism assy is used with the figure below.

When replacing the LCD panel/prism assy, you need to take "Panel type check and setting" on the electrical adjustment for the replaced LCD panel/prism assy.

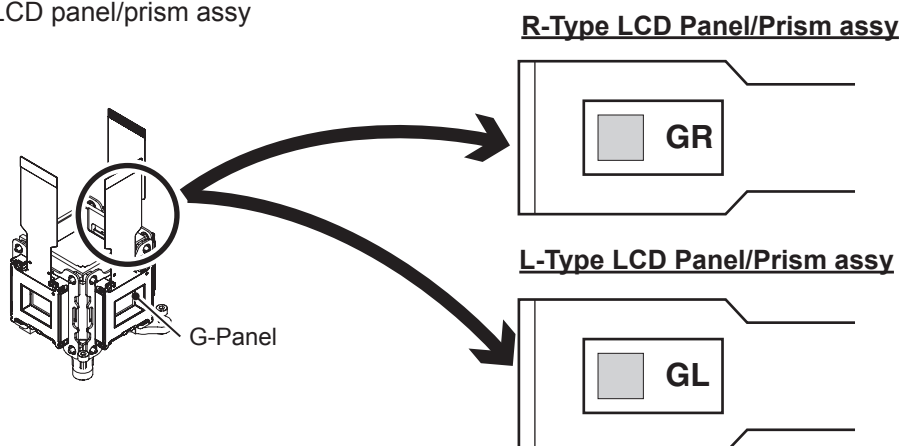
The gamma-characteristics are different between L-type and R-type LCD panel/prism assy.

How to check the type of LCD panel assy

Check the printed marker on the flat cable of the G-LCD Panel.

GR --> R-type LCD panel/prism assy

GL --> L-Type LCD panel/prism assy

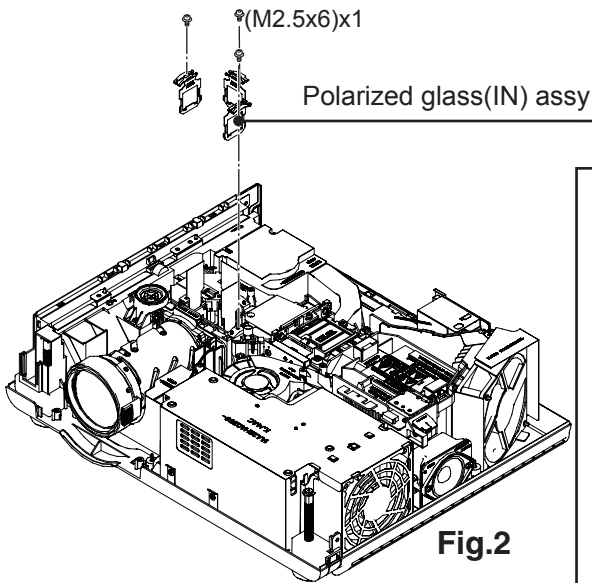


IMPORTANT NOTICE on LCD panel/prism assy replacement

LCD panels used for this model cannot be replaced separately. Do not disassemble the LCD panel/prism assy. These LCD panels are installed with precision at the factory. When replacing the LCD panel, should be replaced whole of the LCD panels and prism assy at once.

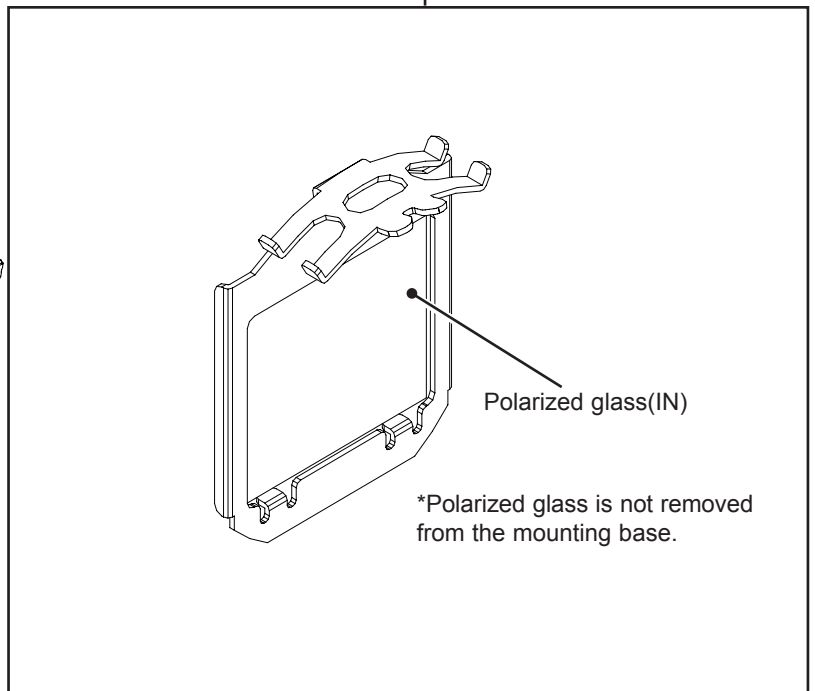
When replacing LCD panel/prism assy, take the optical and electrical adjustments following to the chapter "Adjustment".

2. Polarized glass(IN) assy removal



*Note on handling the polarized glass

Polarized glass-in are very sensitive parts. Never touch or wipe the surface. Grab the mounting base when handling the polarized glass assy. When removing the dust on the surface, use a commercial (inert gas) air spray to remove them. Never use organic solvents.



3. Projection lens removal

Note: The optical unit should be removed from the cabinet bottom before removing the projection lens.

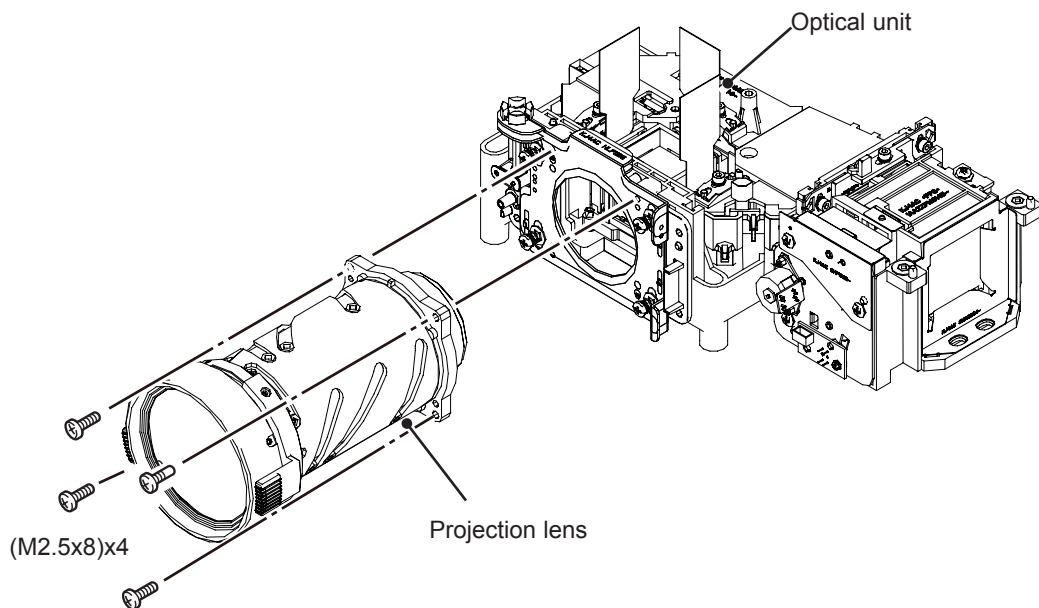


Fig.3

4. Condenser lens (OUT) removal

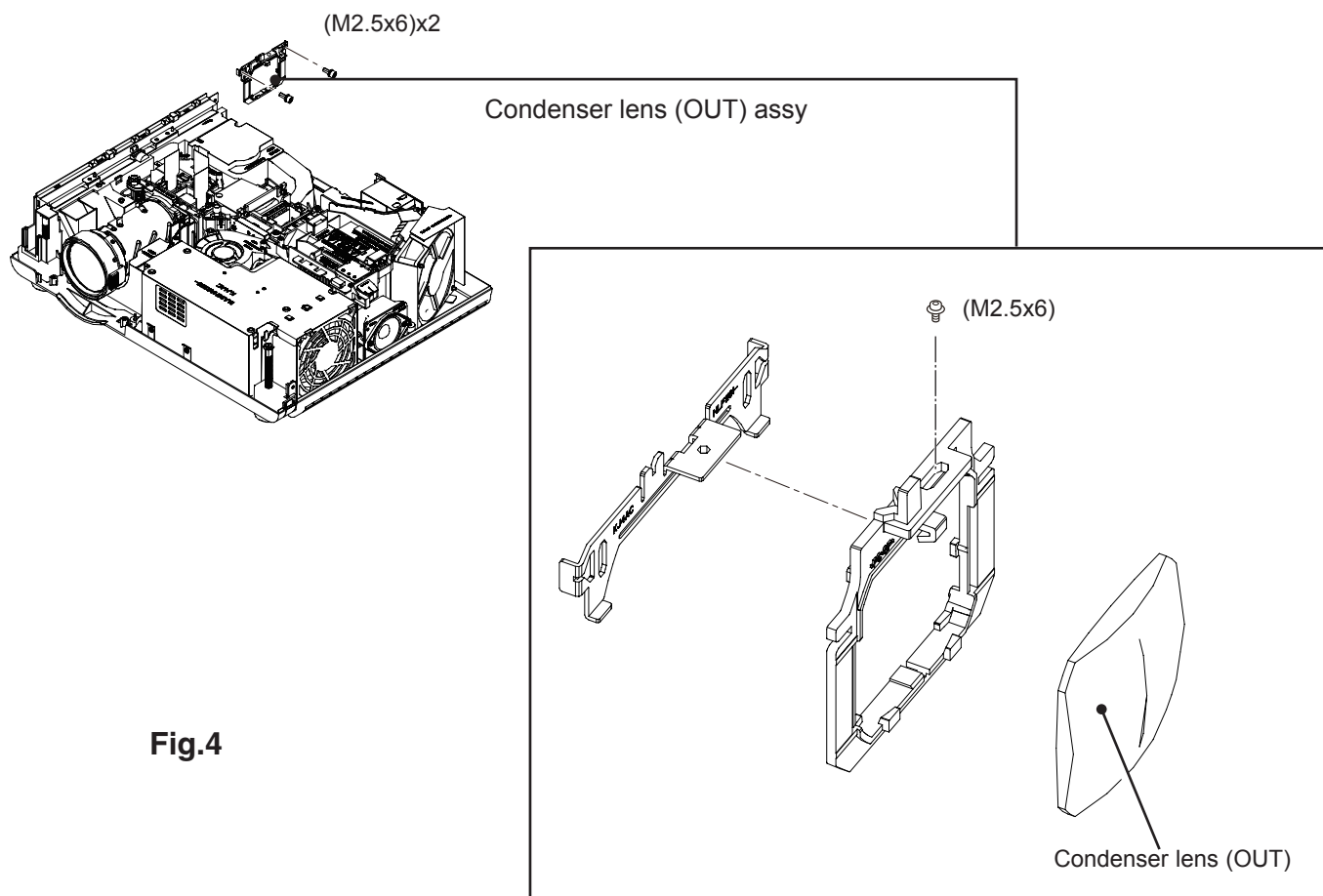


Fig.4

5. PBS and Integrators removal

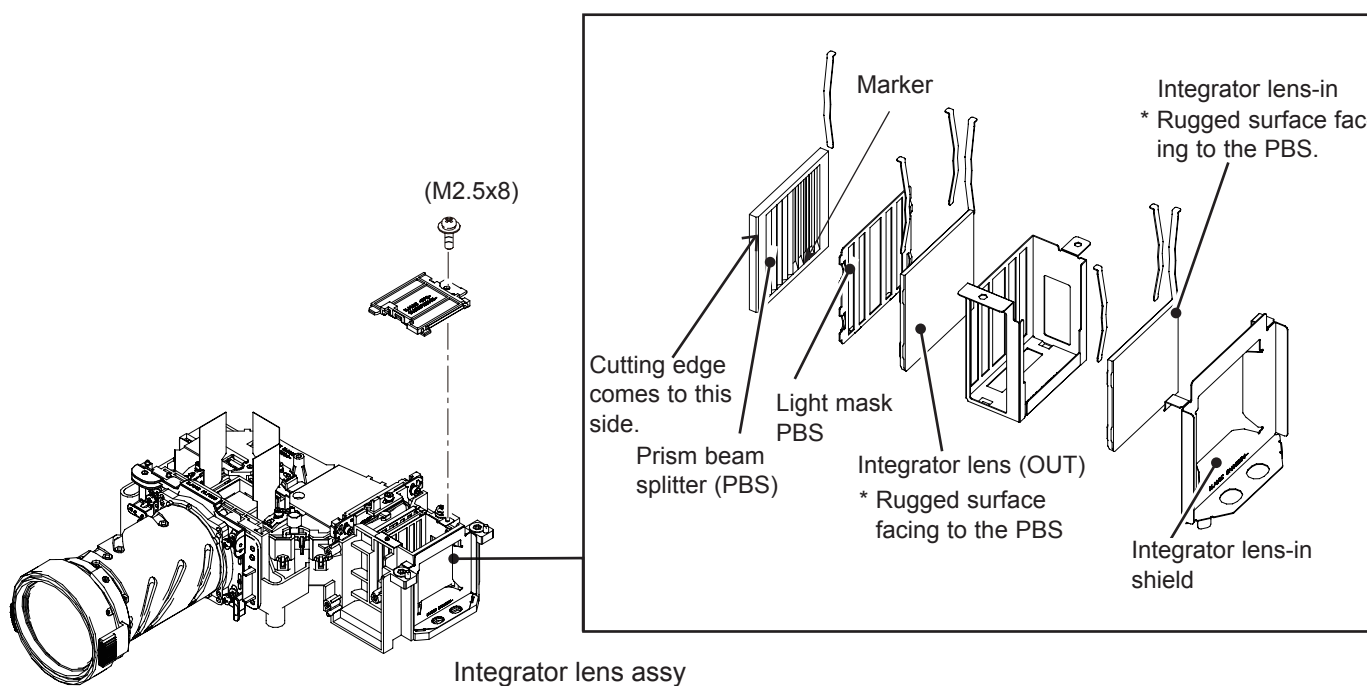


Fig.5

6. Optical unit top removal

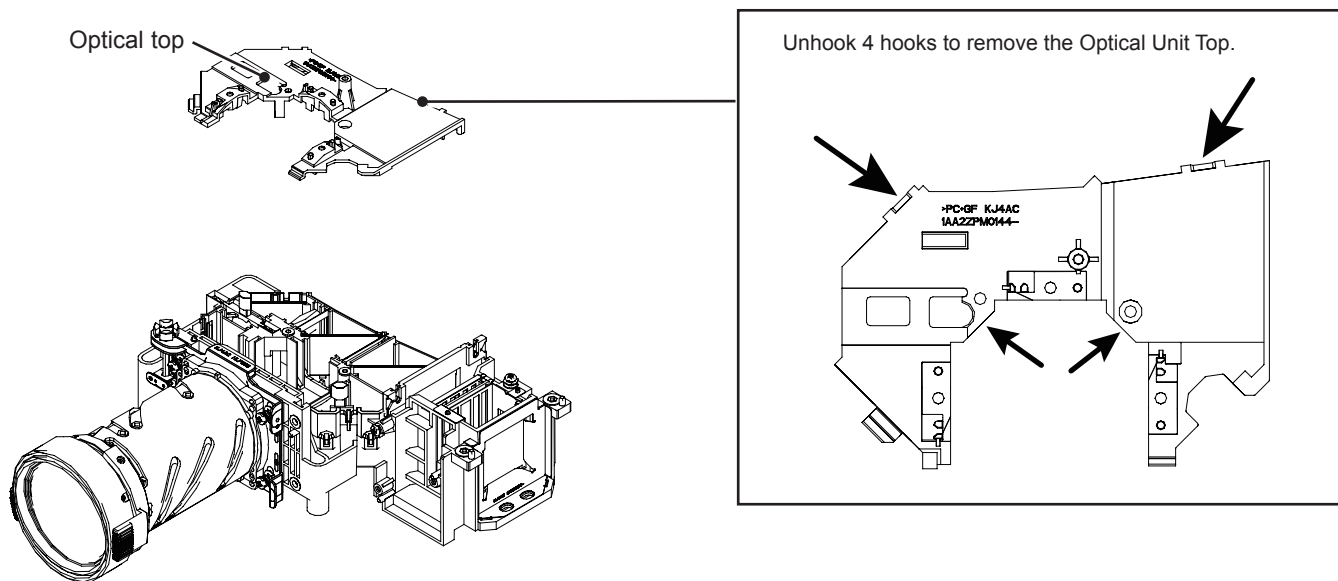


Fig.6

7. Locations and directions

When mounting or assembling the optical parts in the optical unit, the parts must be mounted in the specified location and direction as shown in figure below.

No.	Parts Name
1	Dichroic mirror (B)
2	Dichroic mirror (G)
3	Condenser lens (G)
4	Mirror (R)
5	Relay lens (IN)
6	Mirror (B) *
7	Optical filter(IR)
8	Relay lens (OUT) *

Note:

The parts indicated with * are fixed with adhesive and cannot be replaced individually.

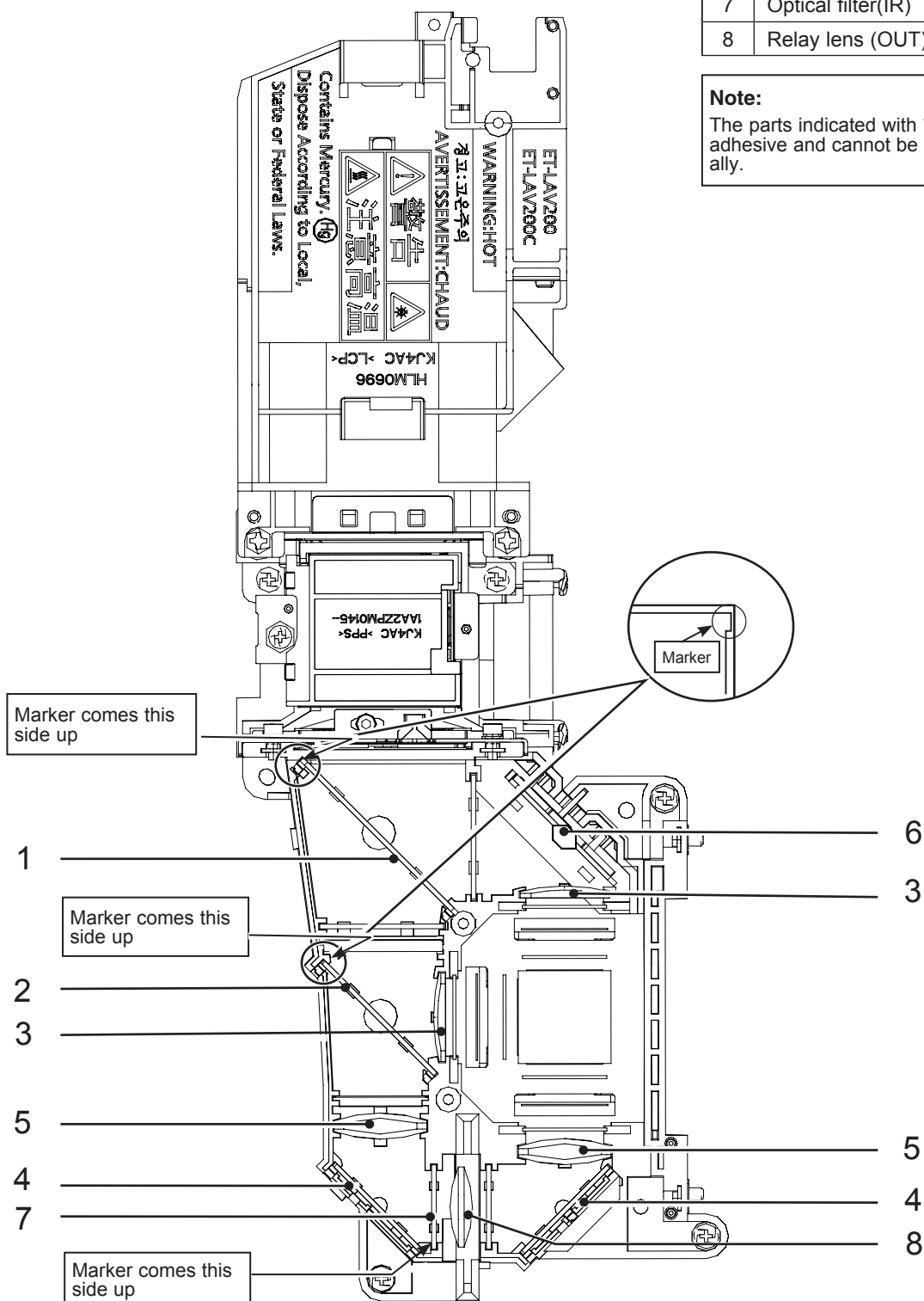


Fig.7

Servicing Notice

Note on the MAIN board replacement

Take the following workings when the MAIN board is replaced.

1.EEPROM data transfer

Each of the adjustment data (electrical adjustment data, serial number, projector's, filter usage time, user control setting value, etc.) is stored in memory IC(IC1371) on the MAIN board. After replacing the MAIN board, perform the data transferring by using the software [NVReadWrite v1.0.0.0]. For further details, refer to the operation manual of the software.

The data which can be set by this software includes "Serial number" and "Model no." setting below. Follow each setting procedure if the individual setting is needed.

Serial number setting

The data of serial number is stored in memory IC (IC1371) on the MAIN board.

After replacing the MAIN board, perform the work below to restore the serial number.

- Use the serial no. setting tool to write the correct serial no. referring to the serial no. (S/N) printed on the rating label. For further details, refer to the operation manual of the software [SERIAL NO. SETTING TOOL V1.00].

Model no. setting

The data of projector's model no. is stored in both memory IC (IC1371) on the MAIN board.

After replacing the MAIN board, perform the work below to restore the model number.

1. Enter the service mode.
 2. Select the group "430 ~ 437" and No. "1", change the data value from "0" to "10". Refer to table below. The data value will return to "0" after setting.
 3. To check the setting, select each group and No. "0" and check its value with table below.
- How to enter the service mode, or set the group. No. and data, refer to the item "Service adjustment menu operation".

Model no. setting

Model no. setting	Group	No.	Data
Not defined	430	0	※ (refer to table right)
		1	0 -> 10
PT-VW435N PT-VX505N	431	0	※ (refer to table right)
		1	0 -> 10
PT-VW435NU PT-VX505NU	432	0	※ (refer to table right)
		1	0 -> 10
PT-VW435NE PT-VX505NE	433	0	※ (refer to table right)
		1	0 -> 10
PT-VW435NEJ PT-VX505NEJ	434	0	※ (refer to table right)
		1	0 -> 10
PT-VW435NEA PT-VX505NEA	435	0	※ (refer to table right)
		1	0 -> 10
PT-VW435NEAJ PT-VX505NEAJ	436	0	※ (refer to table right)
		1	0 -> 10
PT-BX55NC	437	0	※ (refer to table right)
		1	0 -> 10

Model no. checking

Data	Model no.
0	Not defined
1	PT-VW435N PT-VX505N
2	PT-VW435NU PT-VX505NU
3	PT-VW435NE PT-VX505NE
4	PT-VW435NEJ PT-VX505NEJ
5	PT-VW435NEA PT-VX505NEA
6	PT-VW435NEAJ PT-VX505NEAJ
7	PT-BX55NC

2. Adjustment data setting

This projector stores "Color shading correction data" and "Gamma correction data" in the memory IC (IC801) on the MAIN board. Those adjustment data have been setup according to the optical characteristics of the mounted LCD panels preciously in the factory. When replacing the MAIN board, you need to read out the those setting data stored in the memory IC on the previous MAIN board and write down them into the memory IC on the new MAIN board by using the software [PROJECTOR SERVICE TOOL v4.20]. By the way, it enables the projector to reproduce the picture which has properly adjusted color shading correction, gamma correction. For further details, refer to the operation manual of the software [PROJECTOR SERVICE TOOL v4.20].

Note:

"Color shading correction data" and "Gamma correction data" cannot be read out or wrote in by the software [NVRead-Write]

The NVRedWrite v1.0.0.0, projector service tool v4.20 and serial no. setting tool v1.00 can be downloaded from the projector service web site.

3. EDID IC replacement

The serial number is also stored in the EDID memory (IC1051). After replacing the MAIN board, remove it on the previous MAIN board and replace it on the new board since this data in the EDID memory cannot be rewritten by using the software.

Adjustments

Adjustments after parts replacement

● : Adjustment necessary ○ : Check necessary

		Disassembly / Replaced parts						
		LCD/ prism assy	Condenser lens (OUT)	Polarized glass			Power board	MAIN board
				R	G	B		
Optical Adjustments	Contrast adjustment	○		●	●	●		
	Optical center adjustment	○	●					
Electrical Adjustments	Fan voltage adjustment						●	●
	Panel type check and setting	●						●
	Auto calibration adjustment [PC]							○
	Auto calibration adjustment [Component]							○
	Auto calibration adjustment [Video]							○
	Common center adjustment	●						●
	Gamma shipment data adjustment *							●
	Color shading correction adjustment *	○		○	○	○		○
	Keystone offset adjustment							●

* To setup or adjust those items, the Projector Service Tool v. 4.20 software is needed. Refer to the owner's manual for this software for the further details.

Optical Adjustments

Before taking optical adjustments below, remove the cabinet top following to the “Mechanical Disassembly”. Adjustments require a 2.0mm hex wrench and a slot screwdriver.

Note: Do not disconnect connectors on the MAIN board, because the projector cannot turn on due to operate the power failure protection.



WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING



CAUTION: To prevent suffer of UV radiation, those adjustment must be completed within 25 minutes.

Contrast adjustment

[Before Adjustment]

- Input a 0% of black raster signal.

- 1 Loosen 3 screws-**A** (**Fig.1**) on the polarized glass mounting base.
- 2 Adjust the slot **B** to obtain the darkest brightness on the screen by using a slot screwdriver.
- 3 Tighten the 3 screws-**A** to fix the polarized glass mounting base.

Repeat steps 1 to 3 for remaining polarized glasses.

-This adjustment should be taken in order of G-panel, R-panel and B-panel.

-This adjustment should be performed in the darkest room to improve the precision of adjustment.

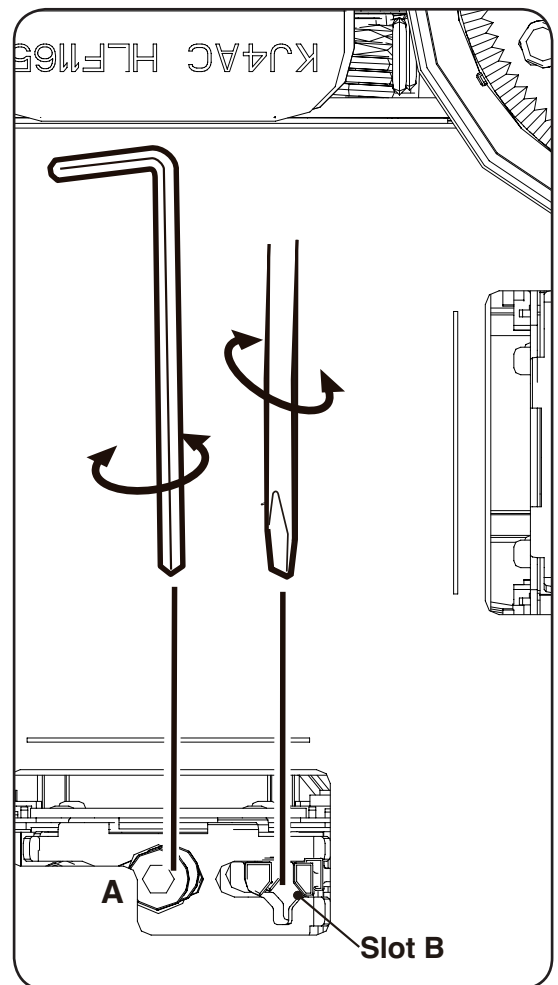
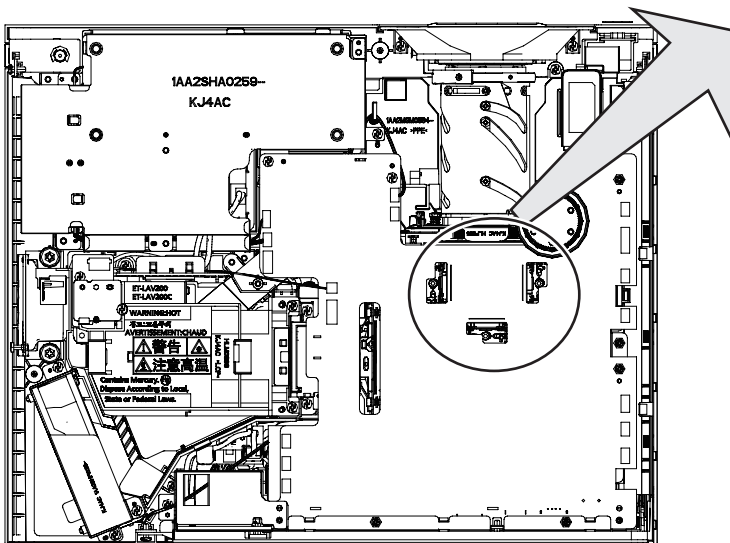


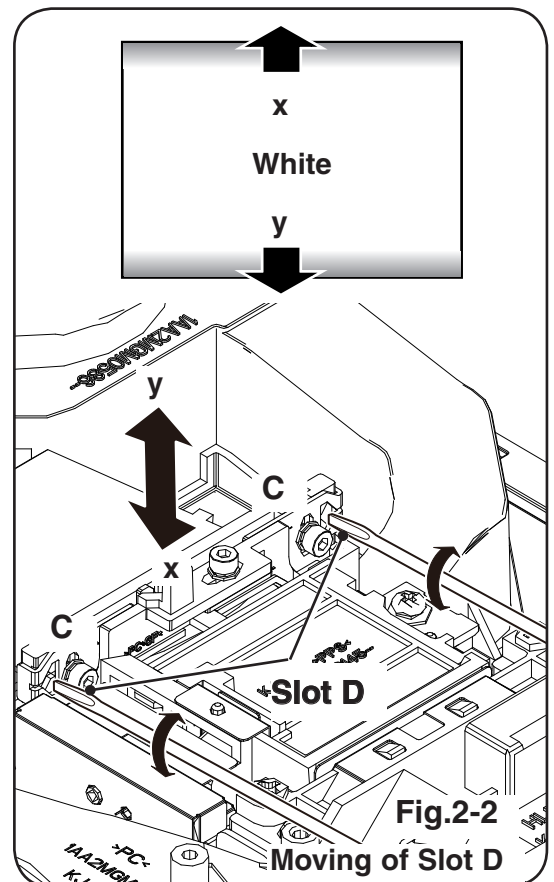
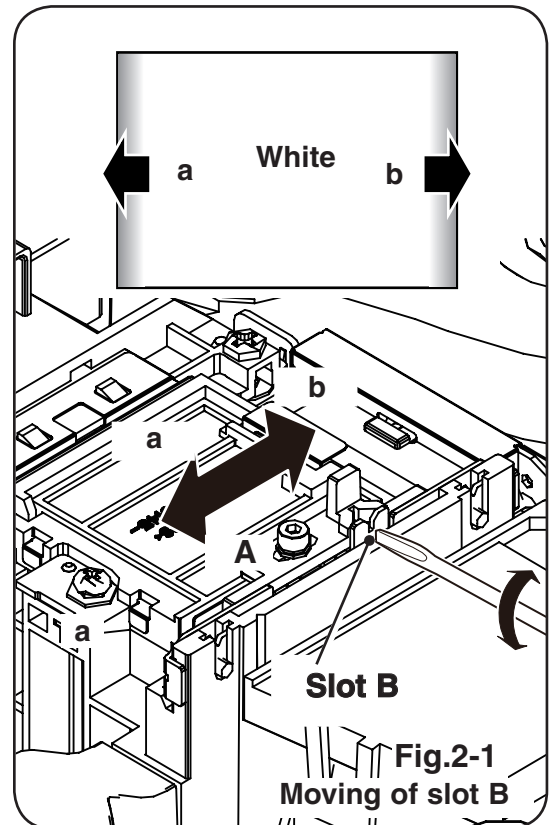
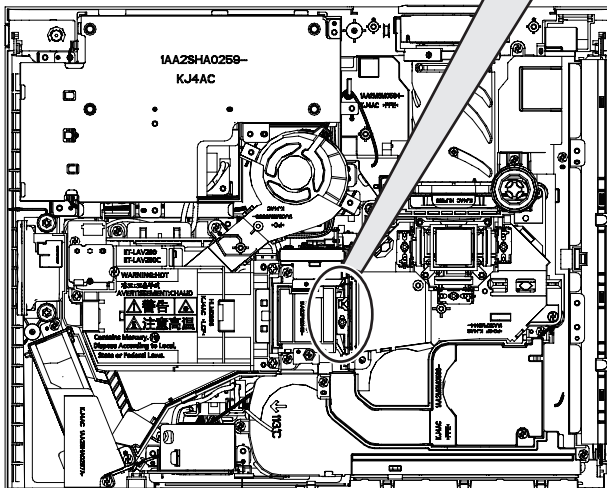
Fig.1

Optical center adjustment

[Before Adjustment]

- Input a 100% of white raster signal.

- 1** Adjust the adjustment base of condenser lens out assy to make color uniformity in white.
 - 1) If the shading appears on the left or right of the screen as shown in **Fig.2-1**, loosen 1 screw **A** , and adjust the slot **B** to make color uniformity in white by using a slot screwdriver.
 - 2) If the shading appears on the top or bottom of the screen as shown in **Fig.2-2**, loosen 2 screws **C**, and adjust the slots **D** to make color uniformity in white by using a slot screwdriver.
- 2** Tighten screws **A** and **C** to fix the condenser lens out unit.



Electrical Adjustments

Service adjustment menu operation

To enter the service mode

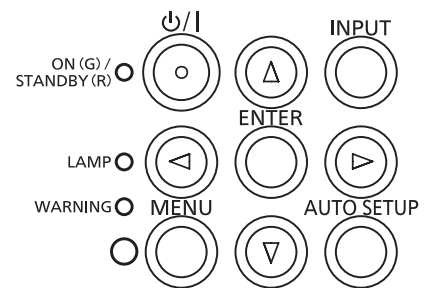
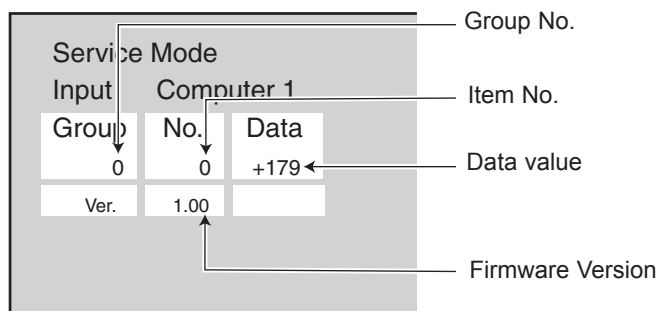
To enter the “Service mode”, press and hold the **MENU button** and **ENTER button** on the projector for more than 3 seconds or press and hold the **MENU button** on the remote control for more than 20 seconds. The service menu appears on the screen as follows.

To adjust service data

Select the adjustment group no. by pressing the **MENU button** (increase) or **ENTER button** (decrease), and select the adjustment item no. by pressing the pointer **▲** or **▼ button**, and change the data value by pressing the **◀** or **▶ button**. Refer to the “Service adjustment data table” for further description of adjustment group no., item no. and data value.

To exit the service mode

To exit the service mode, press the **⏻/| button**.




Circuit adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety. Before adjustment, please turn on the projector for more than ten minutes.



WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING.

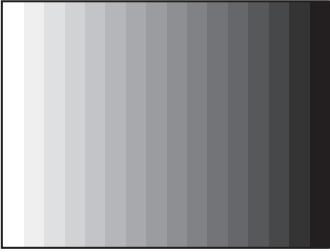


CAUTION:
To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

[Adjustment Condition]

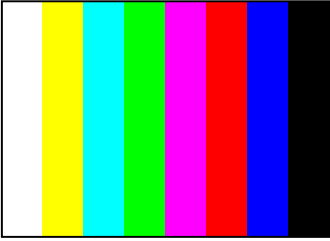
- Input signal
Computer signal.....0.7Vp-p/75Ω terminated (XGA)
Video signal1.0Vp-p/75Ω terminated (Composite video signal)
Component video signal1.0Vp-p/75Ω terminated (Component video signal) (480i)

16 steps gray scale pattern



White 100% White 0%

8 color 100% full color bar



W Y C G M R B BK
White 100% White 0%

- Image modeStandard
- Lamp powerNormal

Note:
* Please refer to "Service adjustment menu operation" for entering the service mode and adjusting the service data.

1. Fan voltage adjustment

Equipment	Digital voltmeter
-----------	-------------------

1. Enter the service mode.
2. Adjust the voltage on each test point by changing the data values of Group - No.

Group - No.	Test Points	Adjustment value
250 - 0	TPFANA	3.5V+0.1,-0Vdc
250 - 1	TPFANA	13.8V+0,-0.1Vdc
250 - 2	TPFANB	3.5V+0.1,-0Vdc
250 - 3	TPFANB	13.8V+0,-0.1Vdc
250 - 4	TPFANC	3.5V+0.1,-0Vdc
250 - 5	TPFANC	13.8V+0,-0.1Vdc
250 - 6	TPFAND	3.5V+0.1,-0Vdc
250 - 7	TPFAND	13.8V+0,-0.1Vdc
250 - 8	TPFANE	3.5V+0.1,-0Vdc
250 - 9	TPFANE	13.8V+0,-0.1Vdc
250 - 10	TPFANF	4.5V+0.1,-0Vdc
250 - 11	TPFANF	13.8V+0,-0.1Vdc
250 - 12	TPFANG	4.5V+0.1,-0Vdc
250 - 13	TPFANG	13.8V+0,-0.1Vdc

Adjustments item no. [3] and [5] are carried out at the spare parts shipment in the factory, therefore they are not required when the MAIN board is replaced with new one.

2. Panel type check and setting

* Before setting, you need to check which type of LCD panel is placed on the projector according to the item "LCD panel/prism assy removal" in the chapter "Optical Parts Disassembly".

1. Enter the service mode.
2. Panel type check
Select Group "290", No. "0" check the data value as follows;
Data value: 0 For L-type of LCD panel
Data value: 20 For R-type of LCD panel
If the mounted LCD panel type and set panel mode are differ, take the step below.

3. Panel type mode setting
Select Group "290", No. "1" and change data value from 10 to 0 or 20 depending on your LCD panel type. When the data value reaches 0 or 20, it returns to 10 quickly. The gamma-characteristics changes according to your selection.

3. Auto calibration adjustment [PC]

Input mode	Computer 1 (RGB)
Input signal	XGA Computer signal
Signal pattern	16-step gray scale

1. Enter the service mode.
2. Select Group "260", No. "0" and set the data value to "1".
The projector begins auto-calibration and then "OK" will appear on the screen.

4. Auto calibration adjustment [Component]

Input mode	Computer 1 (Component)
Input signal	480i component signal
Signal pattern	8 color 100% color bar

1. Enter the service mode
2. Select Group "260", No. "0" and set the data value to "1".
The projector begins auto-calibration and then "OK" will appear on the screen.

5. Auto calibration adjustment [Video]

Input mode	Video
Input signal	Composite video signal
Signal pattern	16-step gray scale

1. Enter the service mode.
2. Select Group "260", No. "0" and then change data value from "0" to "1". After the auto-calibration completed, "OK" will appear on the screen.

6. Common center adjustment

Input mode	Computer 1 (RGB)
Input signal	XGA computer signal
Signal patterns	50% R, G, B whole signals

1. Enter the service mode
2. Select Group “**100**”, No. “**77**” and change the data value to “**0**” to reduce the panel frequency.
3. Change data value to obtain the minimum flicker for each color on the screen.

<u>Group - No.</u>	<u>Adjustment</u>
101 - 7	for green flicker
101 - 6	for red flicker
101 - 8	for blue flicker

4. Select Group “**100**”, No. “**77**” and change the data value to “**2**” to reset the panel frequency.

7. Gamma shipment adjustment

Software PROJECTOR SERVICE TOOL v4.20

Use the software to obtain the proper gray scale of the screen. See the further information of the software instruction manual.

8. Color shading correction adjustment

Software PROJECTOR SERVICE TOOL v4.20

Signal pattern 12%, 25%, 50%, 75% whole gray

Use the software to correct the color shading of the screen. See the further information of the software instruction manual.

The color shading correction adjustment for this model should be performed with the whole-gray patterns specified as above.

Corresponding to the pull-down menu of the gray level selector on the software.

Level 0	: 12%
Level 384	: 25%
Level 640	: 50%
Level 1032	: 75%

Relation of level (%) indication and signal pattern

0%	: Black
100%	: White

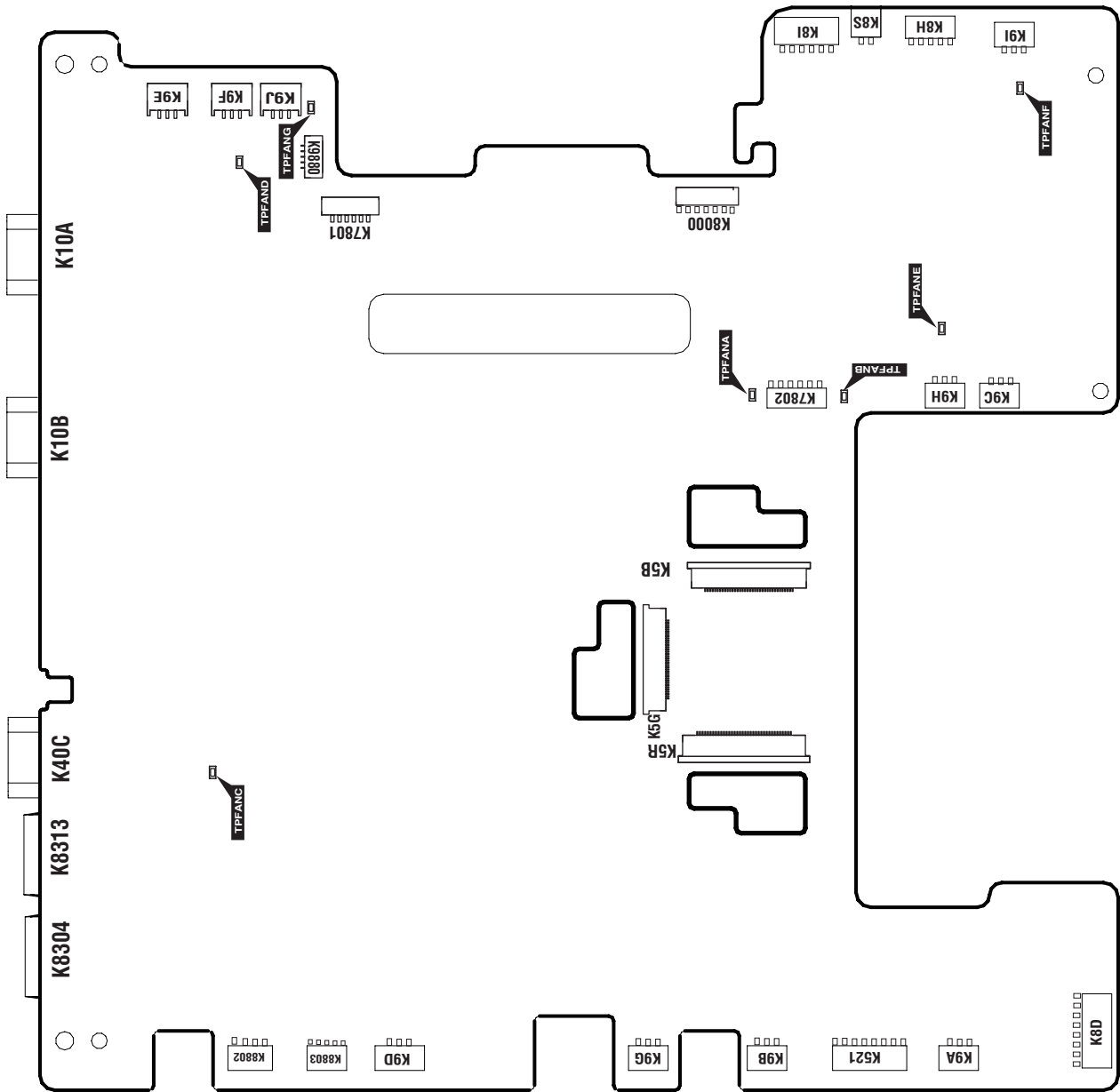
9. Keystone offset adjustment

Input signal	no signal
--------------	-----------

1. Put the projector on a horizontal place with the adjustable feet being minimum range and then enter the service mode.
2. Select Group “**102**”, No. “**3**” and set data value from “**0**” to “**5**”.
3. By pressing the **ENTER** button, the Keystone Offset adjustment will start.
4. When it has completed, the “**OK**” message will appear on the screen.
5. By pressing any button on the projector or the remote control, the “**OK**” message will disappear. (Data value of Group “**102**”, No. “**3**” will be back to “**0**” for initial value.)

Test points and locations

MAIN BOARD



Service adjustment data

The adjustment items indicated with “*R” are required to readjust following to the “Electrical adjustments”. Other items should be used with the initial data value.

Group/Item	Item Name	Function	Initial	Range	Note
Group 0	AD Converter (PW190)				
0	ADC G-OFFSET	PC / Component / SCART	128/120/128	0 - 255	
1	ADC R-OFFSET	PC / Component / SCART	128/140/128	0 - 255	
2	ADC B-OFFSET	PC / Component / SCART	128/140/128	0 - 255	
3	ADC G-GAIN	PC / Component / SCART	50/50/50	0 - 255	
4	ADC R-GAIN	PC / Component / SCART	40/40/40	0 - 255	
5	ADC B-GAIN	PC / Component / SCART	40/40/40	0 - 255	
6	GRAAFLTR/RBAAFLTR	Green (Red and Blue) Anti-Alias Filter	4 / R / R	0 - 7	
7	GRNAADWNSMPL / RBAAADWNSMPL	Green (Red and Blue) Anti-Alias Downsample	0 / R / R	0 - 3	Composite & S-Video / Component / PC *R: Read only value
8	GRNAAHF / RBAAHF	Green (Red and Blue) Anti-Alias High Frequency	3 / R / R	0 - 3	
10	SOGTH	PC / Component / SCART SyncOn Green Threhold	6 / 4 / 4	0 - 15	
11	SOGHYSDIS	PC / Component / SCART Sync On Green Hsysterisis Enable	0	0 - 1	
12	HS1TH		4	0 - 7	
13	HS0TH		4	0 - 7	
100	PreCoast PC Signal		3	0 - 63	
101	PostCoast PC Signal		8	0 - 63	
120	PreCoast PC Video 480i		7	0 - 63	
121	PostCoast PC Video 480i		13	0 - 63	
122	PreCoast PC Video 575i		7	0 - 63	
123	PostCoast PC Video 575i		13	0 - 63	
124	PreCoast PC Video 480p		7	0 - 63	
125	PostCoast PC Video 480p		13	0 - 63	
126	PreCoast PC Video 575p		7	0 - 63	
127	PostCoast PC Video 575p		13	0 - 63	
128	PreCoast PC Video 720p 60Hz		7	0 - 63	
129	PostCoast PC Video 720p 60Hz		13	0 - 63	
130	PreCoast PC Video 720p 50Hz		7	0 - 63	
131	PostCoast PC Video 720p 50Hz		13	0 - 63	
132	PreCoast PC Video 1080i 60Hz		7	0 - 63	
133	PostCoast PC Video 1080i 60Hz		13	0 - 63	
134	PreCoast PC Video 1080i 50Hz		7	0 - 63	
135	PostCoast PC Video 1080i 50Hz		13	0 - 63	
136	PreCoast PC Video 1035i		7	0 - 63	
137	PostCoast PC Video 1035i		13	0 - 63	
138	PreCoast PC Video 1080p 60Hz		7	0 - 63	
139	PostCoast PC Video 1080p 60Hz		13	0 - 63	
140	PreCoast PC Video 1080p 50Hz		7	0 - 63	
141	PostCoast PC Video 1080p 50Hz		13	0 - 63	
142	PreCoast PC Video 1080p 30Hz		7	0 - 63	
143	PostCoast PC Video 1080p 30Hz		13	0 - 63	
144	PreCoast PC Video 1080p 25Hz		7	0 - 63	
145	PostCoast PC Video 1080p 25Hz		13	0 - 63	
146	PreCoast PC Video 1080p 24Hz		7	0 - 63	
147	PostCoast PC Video 1080p 24Hz		13	0 - 63	
150	PreCoast YCbCr 480i		7	0 - 63	
151	PostCoast YCbCr 480i		13	0 - 63	

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
152	PreCoast YCbCr 575i		7	0 - 63	
153	PostCoast YCbCr 575i		13	0 - 63	
154	PreCoast YCbCr 480p		7	0 - 63	
155	PostCoast YCbCr 480p		13	0 - 63	
156	PreCoast YCbCr 575p		7	0 - 63	
157	PostCoast YCbCr 575p		13	0 - 63	
158	PreCoast YCbCr 720p 60Hz		7	0 - 63	
159	PostCoast YCbCr 720p 60Hz		13	0 - 63	
160	PreCoast YCbCr 720p 50Hz		7	0 - 63	
161	PostCoast YCbCr 720p 50Hz		13	0 - 63	
162	PreCoast YCbCr 1080i 60Hz		7	0 - 63	
163	PostCoast YCbCr 1080i 60Hz		13	0 - 63	
164	PreCoast YCbCr 1080i 50Hz		7	0 - 63	
165	PostCoast YCbCr 1080i 50Hz		13	0 - 63	
166	PreCoast YCbCr 1035i		7	0 - 63	
167	PostCoast YCbCr 1035i		13	0 - 63	
180	PreCoast SCART 480i		7	0 - 63	
181	PostCoast SCART 480i		13	0 - 63	
182	PreCoast SCART 575i		7	0 - 63	
183	PostCoast SCART 575i		13	0 - 63	
Group 10 Sync Processor					
0	SYNCAMPHLCKTOLOW	Minimum sync amplitude threshold for HLCK 1 to 0 tansion	1792	0 - 9999	
1	SYNCAMPHLCKTOHI	Minimum sync amplitude threshold for HLCK 0 to 1 tansion	4096	0 - 9999	
Group 20 Video Decoder					
0	Y Level	Composite / S-Video - Y Level (ADC RGB Gain)	10 / 10	0 - 255	Composite / S-Video * Gain Adjustment [Video]
1	C Level	Composite / S-Video - C Level (ADC Saturation)	115 / 115	0 - 255	Composite / S-Video
3	XCXL Level	Cross-Chroma, Cross-Luma Level	3	0 - 5	
4	C2DNBANDWIDTH	Comb 2D Narrow Bandwidth	3 / 3	0 - 3	NTSC/PAL
5	C2DWBANDWIDTH	Comb 2D Wide Bandwidth	4 / 4	0 - 7	NTSC/PAL
6	C2DCNMINLEAK	Comb 2D Chroma Narrow Band Minimum Leakage	0 / 3	0 - 3	Left Values are adjustable if CXCL Level = 5.
7	C2DCNSLOPELEAK	Comb 2D Narrow Band Slope Leakage	7 / 7	0 - 7	NTSC/PAL
8	C2DCWMINLEAK	Comb 2D Wide Band Minimum Leakage	1 / 3	0 - 3	NTSC/PAL
9	C2DCWSLOPELEAK	Comb 2D CW Slope Leakage	6 / 6	0 - 7	NTSC/PAL
10	COMBLEAK2BPGAIN	Comb Leak To Ban Pass Gain	1 / 0	0 - 3	NTSC/PAL
11	C2DBDIAGONALGAIN	Comb 2D Band Pass Diagonal Gain	1 / 3	0 - 3	NTSC/PAL
12	C2DNBCWBCLGAIN	Comb 2D Narrow Band Comb Wide Band Comb	1 / 1	0 - 3	NTSC/PAL
13	RLUMASETUP-Enable	7.5IRE Setup Enable	0	0 - 1	Effective only NTSC Signal
Group 40 General					
0	IP Mode	Sets for IP Off	1	0 - 1	0: IP Block not used 1: IP OFF used with IP Block
1	3:2 PullDown Mode		1	1 - 3	bit0 : Global Motion bit1 : Video Motion
2	Detect Film Mode Enable		0	0 - 2	0 : 2:3pull down & 2:2pull down 1 : 2:3pull down 2 : 2:2pull down
3	Force IP Mode		2	0 - 2	0 : IP Process Disable 1 : Force Normal IP Mode 2 : Force Film Mode Effective only for PSF Signal.
Group 41 Deinterlacer setting Effective only for Progressive ON-L1 mode.					
0	Motion Adaptive Weight Value	<KDEINT>	30	0 - 255	Effective only NTSC Signal
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	4	0 - 4	

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
	2 CUE Low Pass Filter Enable	<CUELPFEN>	0	0 - 1	
Group 42	Deinterlacer setting Effective only for Progressive ON-L2 mode.				
0	Motion Adaptive Weight Value	<KDEINT>	0	0 - 255	
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	2	0 - 4	
2	CUE Low Pass Filter Enable	<CUELPFEN>	0	0 - 1	
Group 43	Deinterlacer setting Effective only for Progressive ON/Film mode.				
0	Motion Adaptive Weight Value	<KDEINT>	30	0 - 255	
1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	4	0 - 4	
2	CUE Low Pass Filter Enable	<CUELPFEN>	0	0 - 1	
Group 45	Noise Reduction (Time) Effective only for N.R - Off				
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	1	0 - 2	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	12	0 - 1023	
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	24	0 - 1023	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	40	0 - 1023	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	0	0 - 255	
Group 47	Noise Reduction (Time) Effective only for N.R L1				
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	1	0 - 2	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	12	0 - 1023	
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	24	0 - 1023	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	40	0 - 1023	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	50	0 - 255	
Group 49	Noise Reduction (Time) Effective only for N.R L2				
0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	1	0 - 2	
1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	12	0 - 1023	
2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	24	0 - 1023	
3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	40	0 - 1023	
4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	100	0 - 255	
Group 50	2:2pull down setting				
0	22Film Mode Sensitivity	Film Detection Sensitivity <FILMSTVT22>	4	1 - 5	
1	22Film Mode Threshold Low	<FILMTHRD22A>	80	0 - 32767	
2	22Film Mode Threshold High	<FILMTHRD22B>	120	0 - 32767	
3	VOFTHR13	<VOFTHR13>	124	0 - 1023	Read only
4	VOFTHR12	<VOFTHR12>	124	0 - 1023	Read only
5	VOFTHR23	<VOFTHR23>	124	0 - 1023	Read only
6	Video Motion Window Start X	<VOFSTARX>	10	0 - 2047	Range of detective for Film mode
7	Video Motion Window Stop X	<VOFSTOPX>	10	0 - 2047	Range of detective for Film mode
8	Video Motion Window Start Y	<VOFSTARY>	10	0 - 1023	Range of detective for Film mode
9	Video Motion Window Stop Y	<VOFSTOPY>	10	0 - 1023	Range of detective for Film mode
Group 51	2:3pull down setting				
0	Global Motion Sensitivity	Film Detection Sensitivity <FILMSTVT23>	4	1 - 5	

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
1	Video Motion Sensitivity	Film Detection Sensitivity <VOFSTVT>	4	1 - 5	
2	Video Motion Threshold Low	<VOFTHRDA>	120	0 - 32767	
3	Video Motion Threshold High	<VOFTHRDB>	180	0 - 32767	
4	Global Motion Threshold	<GMDTHRD>	124	0 - 1023	Read only value
5	23Film Mode Threshold	<FILMTHRD23>	100	0 - 32767	
6	Global Motion Window Start X	<GMDSTARX>	10	0 - 2047	Range of detective for Film mode
7	Global Motion Window Stop X	<GMDSTOPX>	10	0 - 2047	Range of detective for Film mode
8	Global Motion Window Start Y	<GMDSTARY>	10	0 - 1023	Range of detective for Film mode
9	Global Motion Window Stop Y	<GMDSTOPY>	10	0 - 1023	Range of detective for Film mode
Group 60	Image				
0	Center Contrast		534/578/534/534/492/492	0 - 1023	Video(S-Video) / Component / SCART / ANALOG / DIGITAL / HDCP Setting Value= (MENU Value - MENU Center Value) x Alpha / 10 + Center [Setting Value to PW] Contrast [Max] 1023 [Min] 0 Brightness [Max] 1023 [Min] 0 Color [Max] 1023 [Min] 0 Tint [Max] 180 [Min] 0 Sharpness [Max] 57 [Min] 0
1	Center Brightness		512/496/512/500/512/512	0 - 1023	
2	Center Color		512/512/512/512/512/512	0 - 1023	
3	Center Tint		90/90/90/90/90/90	0-180	
4	Center Sharpness		16/16/16/16/16/16	16	
5	Alpha Contrast		40/40/40/40/40/40	0-1000	
6	Alpha Brightness		140/140/140/140/140/140	0-1000	
7	Alpha Color		70/70/70/70/70/70	0-1000	
8	Alpha Tint		10/10/10/10/10/10	0-1000	
9	Alpha Sharpness		10/10/10/10/10/10	0-1000	
10	Center WB Red		512/512/512/512/512/512	0-1023	Composite / S-Video / Component / Digital /D-RGB-Video /AnalogRGB / RGB-Video / HDCP-PC /HDCP-AV / SCART/ PJ-Net Setting Value= MENU Value - MENU Center Value) x Alpha / 10 + Center WB R/G/B [Max] 1023 [Min] 0
11	Center WB Green		512/512/512/512/512/512	0-1023	
12	Center WB Blue		512/512/512/512/512/512	0-1023	
13	Alpha WB Red		40/40/40/40/40/40	0-1000	
14	Alpha WB Green		40/40/40/40/40/40	0-1000	
15	Alpha WB Blue		40/40/40/40/40/40	0-1000	
Group 100	Panel Service(CXD3551)		(PT-VX505N/PT-VW435N)		
0	RX_0EFIDSEL		0/0	0 - 1	
1	RX_A0OUTSEL		0/0	0 - 7	
2	RX_B0OUTSE		1/1	0 - 7	
3	RX_C0OUTSEL		2/2	0 - 7	
4	RX_D0OUTSEL		3/3	0 - 7	
5	RX_E0OUTSEL		4/4	0 - 7	
6	RX_A1OUTSEL		0/0	0 - 7	
7	RX_B1OUTSEL		1/1	0 - 7	
8	RX_C1OUTSEL		2/2	0 - 7	
9	RX_D1OUTSEL		3/3	0 - 7	
10	RX_E1OUTSEL		4/4	0 - 7	
11	IRF_LVDSEMAP		0/0	0 - 1	
12	IRF_LVDSSYNSEL		0/0	0 - 1	
13	ISW_INV		0/0	0 - 1	
14	ISW_COLOR_SWP		0/0	0 - 7	
15	ISW_BLANKSEL		0/0	0 - 1	
16	ISW_CH_SWP		0/0	0 - 1	
17	ISW_BLKLV_L_R		0/0	0 - 255	
18	ISW_BLKLV_L_G		0/0	0 - 255	
19	ISW_BLKLV_L_B		0/0	0 - 255	
20	IDC_ON		0/0	0 - 1	
21	IDC_HPOS		0/0	0 - 2047	
22	IDC_VPOS		0/0	0 - 2047	
23	IDC_RDAT		0/0	0 - 1023	
24	IDC_GDAT		0/0	0 - 1023	
25	IDC_BDAT		0/0	0 - 1023	
26	SHP_ON		0/0	0 - 1	
27	SHP_GAIN		0/0	0 - 255	
28	SHP_OFSET		0/0	0 - 255	Read only
29	SHP_CLIP		0/0	0 - 255	Read only
30	UGM_ON		0/0	0 - 1	Read only

Electrical Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
31	UGM_CSCO_ON		0/0	0-1	
32	UGM_CSCO_BRIGHT_R		0/0	0-2047	
33	UGM_CSCO_BRIGHT_G		0/0	0-2047	
34	UGM_CSCO_BRIGHT_B		0/0	0-2047	
35	FMD_MODE		2/0	0-7	
36	FMD_VTOTAL_SEL		0/1	0-1	
37	FMD_VTOTAL_SEL		1/1	0-1	
38	FMD_ELINE_DEV		1/1	0-1	
39	FMD_THRU_RST		1/1	0-1	
40	FMD_FGEN_MODE		0/0	0-1	
41	FMD_FGEN_SWEN		1/0	0-3	
42	FMD_FGEN_SWFNUM		0/0	0-3	
43	FMD_FID_MODE		0/0	0-3	
44	FMD_VDELAY		2/813	0-8191	
45	FMD_VTFREETH1		768/808	0-8191	
46	FMD_VTFREETH2		796/831	0-8191	
47	FMD_VTLOCKTH1		776/810	0-8191	
48	FMD_VTLOCKTH2		783/828	0-8191	
49	FMD_VTOTAL_TIME_FR		779/813	0-8191	
50	FMD_VTOTAL_TIME_IN		779/813	0-8191	
51	FMD_HTOTAL_TIME_IN		1403/1615	0-8191	
52	FMD_HTOTAL_TIME_OUT_P		1403/1615	0-8191	
53	FMD_DMY_SIG		0/0	0-255	
54	RGT		1/0	0-1	
55	DWN		0/0	0-1	
56	HP		63/5	0-2047	
57	VP		4/8	0-255	
58	SHP		33/35	0-127	
59	CLR_U		0/97	0-1023	
60	CLR_D		51/71	0-1023	
61	ENB_U		112/138	0-1023	
62	ENB_D		46/84	0-1023	
63	PRGH_U		60/97	0-1023	
64	PRGH_D		96/133	0-1023	
65	PRGV_U		0/0	0-4095	
66	PRGV_D		0/0	0-4095	
67	PCGH_U		60/97	0-4095	
68	PCGH_D		151/159	0-1023	
69	PCGV_U		0/0	0-4095	
70	PCGV_D		0/0	0-4095	
71	PSCAN_HP		60/97	0-2047	
72	PSCAN_SEL		1/1	0-1	
73	PSCAN_POL		0/0	0-1	
74	PSCANM		2/2	0-3	
75	HD_U		374/62	0-1023	
76	HD_D		157/229	0-1023	
77	FRPM		2/2	0-3	*Panel Frequency switch
78	HST_PC		10/10	0-127	
79	HST_PF		11/11	0-127	
80	HST_ST		0/0	0-4095	
81	HST_STP		0/0	0-4095	
82	HCK_C		23/23	0-127	
83	DCK_C		23/23	0-127	
84	DCK1_W		10/10	0-255	
85	DCK1_F		24/24	0-127	
86	DCK2_W		10/10	0-255	
87	DCK2_F		24/24	0-127	
88	DCK3_W		10/10	0-255	
89	DCK3_F		0/0	0-127	
90	DCK4_W		10/10	0-255	
91	DCK4_F		0/0	0-127	
92	SHT_C		5/5	0-127	
93	SHT_F		3/3	0-127	
94	VDCAL_U		3/3	0-4095	
95	VDCAL_D		4/4	0-4095	
96	VCKP		60/97	0-2047	
97	VCKPD		1344/1344	0-2047	
98	VST_VP		0/0	0-2047	
99	VST_HP_U		0/0	0-1023	
100	VST_HP_D1		0/0	0-1023	
101	VST_HP_D2		0/0	0-1023	

Electrical Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
102	VCK_HP		0/0	0-1023	
103	VCK_W1		0/0	0-2047	
104	VCK_W2		0/0	0-255	
105	VCK_W3		0/0	0-255	
106	USR_GAIN		68/512	0-1023	
107	USR_BRIGHT		0/0	0-8191	
108	USR_R_GAIN		68/512	0-1023	
109	USR_G_GAIN		68/512	0-1023	
110	USR_B_GAIN		68/512	0-1023	
111	USR_R_BRIGHT		0/0	0-8191	
112	USR_G_BRIGHT		0/0	0-8191	
113	USR_B_BRIGHT		0/0	0-8191	
114	GAM_ON		1/1	0-1	
115	GAMF_ON		0/0	0-1	
116	GAM_R_GAIN		512/512	0-1023	
117	GAM_G_GAIN		512/512	0-1023	
118	GAM_B_GAIN		512/512	0-1023	
119	GAM_R_BRIGHT		0/0	0-8191	
120	GAM_G_BRIGHT		0/0	0-8191	
121	GAM_B_BRIGHT		0/0	0-8191	
122	VXT_ON		1/1	0-1	
123	VXT_BCALC		0/0	0-1	
124	VXT_GCALC		0/0	0-1	
125	VXT_RCALC		0/0	0-1	
126	VXT_GSEL		2/2	0-3	
127	VXT_DETECT_ON		0/0	0-1	
128	VXT_FRP_LINK		0/0	0-1	
129	VXT_RDATU1		8/8	0-255	
130	VXT_RDU1		0/0	0-1	
131	VXT_RDATU2		7/7	0-255	
132	VXT_RDU2		0/0	0-1	
133	VXT_RDATU3		1/1	0-255	
134	VXT_RDU3		0/0	0-1	
135	VXT_GDATU1		8/8	0-255	
136	VXT_GDU1		0/0	0-1	
137	VXT_GDATU2		7/7	0-255	
138	VXT_GDU2		0/0	0-1	
139	VXT_GDATU3		1/1	0-255	
140	VXT_GDU3		0/0	0-1	
141	VXT_BDATU1		8/8	0-255	
142	VXT_BDU1		0/0	0-1	
143	VXT_BDATU2		7/7	0-255	
144	VXT_BDU2		0/0	0-1	
145	VXT_BDATU3		1/1	0-255	
146	VXT_BDU3		0/0	0-1	
147	VXT_RDATL1		4/4	0-255	
148	VXT_RDL1		0/0	0-1	
149	VXT_RDATL2		3/3	0-255	
150	VXT_RDL2		0/0	0-1	
151	VXT_RDATL3		1/1	0-255	
152	VXT_RDL3		0/0	0-1	
153	VXT_GDATL1		4/4	0-255	
154	VXT_GDL1		0/0	0-1	
155	VXT_GDATL2		3/3	0-255	
156	VXT_GDL2		0/0	0-1	
157	VXT_GDATL3		1/1	0-255	
158	VXT_GDL3		0/0	0-1	
159	VXT_BDATL1		4/4	0-255	
160	VXT_BDL1		0/0	0-1	
161	VXT_BDATL2		3/3	0-255	
162	VXT_BDL2		0/0	0-1	
163	VXT_BDATL3		1/1	0-255	
164	VXT_BDL3		0/0	0-1	
165	VXT_TH_ON		15/15	0-15	
166	VXT_TH1		38/38	0-255	
167	VXT_TH2		81/81	0-255	
168	VXT_TH3		226/226	0-255	
169	VXT_TH4		240/240	0-255	
170	CSC_ON		1/1	0-1	
171	CSC_XH		0/0	0-1	
172	CSC_R_GP1		313/313	0-511	
173	CSC_R_GP2		258/258	0-511	

Electrical Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
174	CSC_R_GP3		3332/3332	0-511	
175	CSC_R_GP4		183/183	0-511	
176	CSC_R_GP5		0/0	0-511	
177	CSC_R_GP6		0/0	0-511	
178	CSC_R_GP7		0/0	0-511	
179	CSC_R_GP8		0/0	0-511	
180	CSC_G_GP1		267/267	0-511	
181	CSC_G_GP2		233/233	0-511	
182	CSC_G_GP3		198/198	0-511	
183	CSC_G_GP4		166/166	0-511	
184	CSC_G_GP5		0/0	0-511	
185	CSC_G_GP6		0/0	0-511	
186	CSC_G_GP7		0/0	0-511	
187	CSC_G_GP8		0/0	0-511	
188	CSC_B_GP1		275/275	0-511	
189	CSC_B_GP2		237/237	0-511	
190	CSC_B_GP3		199/199	0-511	
191	CSC_B_GP4		168/168	0-511	
192	CSC_B_GP5		0/0	0-511	
193	CSC_B_GP6		0/0	0-511	
194	CSC_B_GP7		0/0	0-511	
195	CSC_B_GP8		0/0	0-511	
196	SHAD_ON		0/1	0-1	
197	SHAD_BCALC		0/0	0-1	
198	SHAD_GCALC		0/0	0-1	
199	SHAD_RCALC		0/0	0-1	
200	SHAD_GSEL		2/2	0-3	
201	SHAD_RDAT1		20/20	0-255	
202	SHAD_RD1		0/0	0-1	
203	SHAD_RDAT2		13/13	0-255	
204	SHAD_RD2		0/0	0-1	
205	SHAD_RDAT3		0/0	0-255	
206	SHAD_RD3		0/0	0-1	
207	SHAD_GDAT1		20/20	0-255	
208	SHAD_GD1		0/0	0-1	
209	SHAD_GDAT2		13/13	0-255	
210	SHAD_GD2		0/0	0-1	
211	SHAD_GDAT3		0/0	0-255	
212	SHAD_GD3		0/0	0-1	
213	SHAD_BDAT1		20/20	0-255	
214	SHAD_BD1		13/13	0-1	
215	SHAD_BDAT2		0/0	0-255	
216	SHAD_BD2		0/0	0-1	
217	SHAD_BDAT3		0/0	0-255	
218	SHAD_BD3		0/0	0-1	
219	SHAD_COEF		1310/1310	0-4095	
220	WEC_ON		1/1	0-1	
221	DIZ_ON		1/1	0-1	
222	RLR_B_RGT		1/0	0-1	
223	RLR_G_RGT		1/1	0-1	
224	RLR_R_RGT		1/0	0-1	
225	RLR_HSTPOS		128/128	0-2047	
226	RLR_R_DSD_HP		64/64	0-127	
227	RLR_G_DSD_HP		64/64	0-127	
228	RLR_B_DSD_HP		64/64	0-127	
229	PMI_ON		0/0	0-1	
230	PMO_ON		0/0	0-1	
231	PNT_ON		0/0	0-1	
232	ODC_ON		0/0	0-1	
233	ODC_HPOS		0/0	0-2047	
234	ODC_VPOS		0/0	0-2047	
235	ODC_RDAT		0/0	0-1023	Read only
236	ODC_GDAT		0/0	0-1023	Read only
237	ODC_BDAT		0/0	0-1023	Read only
238	MUTE_ALL_ON		0/0	0-1	
239	EXMUTE_POL		0/0	0-1	
240	TEST_MUTE_RET		0/0	0-1	
241	MUTE_B_ON		0/0	0-1	
242	MUTE_G_ON		0/0	0-1	
243	MUTE_R_ON		0/0	0-1	
244	DIRC_B		1/1	0-1	
245	DIRC_G		1/1	0-1	

Electrical Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
246	DIRC_R		1/1	0-1	
247	OSW_BITINV		1/1	0-1	
248	OSW_COLORSWP		0/0	0-7	
249	OSW_BITSHIFT		0/0	0-3	
250	OSW_B_CHSWP		0/0	0-1	
251	OSW_G_CHSWP		0/0	0-1	
252	OSW_R_CHSWP		0/0	0-1	
253	FMD_VSTPOS		10/10	0-8191	
254	FMD_HSTPOS		229/295	0-8191	
255	FMD_HTOTAL_TIME_OUT_ F		1413/1615	0-8191	
256	FMD_VDACT_DMY		4/4	0-1023	
257	FMD_HDACT_DMY		8/16	0-2047	
258	FMD_VMASK_ON		1/1	0-1	
259	FMD_OE_POL		1/0	0-1	
260	FMD_OE_MODE		0/1	0-7	
261	FMD_BLK_POL		0/0	0-1	
262	FMD_BLK_MODE		3/3	0-3	
263	FMD_BLK_DAT		0/0	0-255	
264	FMD_FID_SEL		0/0	0-3	
265	TEST_OUT1		0/0	0-7	
266	TEST_OUT2		0/0	0-7	
267	TX_OA_CHSWP		0/0	0-7	
268	TX_OB_CHSWP		1/1	0-7	
269	TX_OC_CHSWP		2/2	0-7	
270	TX_OD_CHSWP		3/3	0-7	
271	TX_OE_CHSWP		4/4	0-7	
272	TX_EA_CHSWP		0/0	0-7	
273	TX_EB_CHSWP		1/1	0-7	
274	TX_EC_CHSWP		2/2	0-7	
275	TX_ED_CHSWP		3/3	0-7	
276	TX_EE_CHSWP		4/4	0-7	
277	SEQ_UNIT_TIME		0/4095	0-65536	
278	SEQ_GPORT1_ONT		0/16383	0-16383	
279	SEQ_GPORT2_ONT		0/1	0-16383	
280	SEQ_GPORT3_ONT		0/1	0-16383	
281	SEQ_GPORT4_ONT		0/1	0-16383	
282	SEQ_VDDMNT_ONT		0/1	0-16383	
283	SEQ_TGFR_TRG_ONT		0/16383	0-16383	
284	SEQ_GPORT1_OFFT		0/1000	0-16383	
285	SEQ_GPORT2_OFFT		0/600	0-16383	
286	SEQ_GPORT3_OFFT		0/800	0-16383	
287	SEQ_GPORT4_OFFT		0/800	0-16383	
288	SEQ_VDDMNT_OFFT		0/600	0-16383	
289	SEQ_TGOFF1_TRG_OFFT		0/50	0-16383	
290	SEQ_TGOFF2_TRG_OFFT		0/50	0-16383	
291	SEQ_SHD_TRG_OFFT		0/1	0-16383	
292	SEQ_GPORT1_EN		1/1	0-1	
293	SEQ_GPORT2_EN		1/1	0-1	
294	SEQ_GPORT3_EN		1/1	0-1	
295	SEQ_GPORT4_EN		1/1	0-1	
296	SEQ_VDDMNT_EN		1/1	0-1	
297	SEQ_TGFR_TRG_EN		1/1	0-1	
298	SEQ_TGOFF1_TRG_EN		1/1	0-1	
299	SEQ_TGOFF2_TRG_EN		1/1	0-1	
300	SEQ_SHD_TRG_EN		1/1	0-1	
301	SEQ_GPORT1		0/0	0-1	
302	SEQ_GPORT2		0/0	0-1	
303	SEQ_GPORT3		0/0	0-1	
304	SEQ_GPORT4		0/0	0-1	
305	SEQ_VDDMNT		0/0	0-1	
306	SEQ_POWER_ON		0/0	0-1	
307	SEQ_POWER_OFF		0/0	0-1	
308	SEQ_OFF_FLG		0/0	0-1	Read only
309	SEQ_ON_FLG		0/0	0-1	Read only
310	OSD_PTN		0/0	0-7	

Group 101 Panel Service(CXA3828)

((PT-VX505N/PT-VW435N))

0	FRINV_B		0/0	0-1	
1	FRINV_G		1/1	0-1	
2	FRINV_R		0/0	0-1	
3	SIG_C		24/23	0-31	

Electrical Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
4	GAIN		215/222	0-255	
5	BRIGHT		0/0	0-255	
6	VCOM_R		180/177	0-255	
7	VCOM_G		180/177	0-255	
8	VCOM_B		180/177	0-255	
9	PSIG_RA		9/12	0-255	
10	PSIG_RB		156/128	0-255	
11	PSIG_GA		9/12	0-255	
12	PSIG_GB		156/128	0-255	
13	PSIG_BA		9/12	0-255	
14	PSIG_BB		156/128	0-255	
15	RGB_SEL		0/0	0-3	
16	HOLD		0/0	0-1	
17	DLLMD		0/2	0-3	
18	DLLCHCP		0/1	0-1	
19	PT		0/0	0-1	
20	HDATA		0/0	0-15	
21	HDATA		0/0	0-255	
22	VDATA		0/0	0-15	
23	VDATA		0/0	0-255	
Group 102 Auto Keystone Setup Value					
0	OFFSET		0	-1056 - 1056	
1	OFFSET SWITCH		0	0 - 1	
2	DEBUG MODE		0	0 - 1	
3	SERVICE CALIBRATION		0	0 - 10	* Keystone offset Adjustmen
4	LOCK COUNT		5	1 - 255	
5	DELT VERT RESULT		64	1 - 255	
6	ANGLE 1 COUNT		1	1 - 10	
7	ANGLE 2 COUNT		5	1 - 10	
8	BLIND SECTOR 1		160	0 - 1024	
9	BLIND SECTOR 3		32	0 - 1024	
10	BLIND SECTOR BIAS		61	0 - 1024	
Group 105 Panel Service (8030)					
0	Vsync input		0	0 - 1	0: Enable / 1:Disable
1	Timer for Recovery starting		0	0 - 1	0: Enable / 1:Disable
2	Color correction		0	0 - 1	0: Enable / 1:Disable
3	SPI receiver		0	0 - 1	0: Enable / 1:Disable
4	UART(UPUside)		0	0 - 1	0: Enable / 1:Disable
5	3Wire serial command gen-erator		0	0 - 1	0: Enable / 1:Disable
6	Outputof 3 wire serial I/F		0	0 - 1	0: Enable / 1:Disable
7	ColorCorrectionTable_R		1878/1878	0 - 4095	AV / PC
8	ColorCorrectionTable_R		1878/1878	0 - 4095	AV / PC
9	ColorCorrectionTable_R		1878/1878	0 - 4095	AV / PC
10	ColorCorrectionTable_R		1977/1977	0 - 4095	AV / PC
11	ColorCorrectionTable_R		2044/2044	0 - 4095	AV / PC
12	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
13	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
14	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
15	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
16	ColorCorrectionTable_R		2048/2048	0 - 4095	AV / PC
17	ColorCorrectionTable_G		1612/1612	0 - 4095	AV / PC
18	ColorCorrectionTable_G		1612/1612	0 - 4095	AV / PC
19	ColorCorrectionTable_G		1612/1612	0 - 4095	AV / PC
20	ColorCorrectionTable_G		1842/1842	0 - 4095	AV / PC
21	ColorCorrectionTable_G		1974/1974	0 - 4095	AV / PC
22	ColorCorrectionTable_G		1966/1966	0 - 4095	AV / PC
23	ColorCorrectionTable_G		2015/2015	0 - 4095	AV / PC
24	ColorCorrectionTable_G		2034/2034	0 - 4095	AV / PC
25	ColorCorrectionTable_G		2048/2048	0 - 4095	AV / PC
26	ColorCorrectionTable_G		2048/2048	0 - 4095	AV / PC
27	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
28	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
29	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
30	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
31	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
32	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
33	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
34	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
35	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
36	ColorCorrectionTable_B		2048/2048	0 - 4095	AV / PC
37	VSYSNC pulse width		13	0 - 4095	
38	Vsync generation interval		313	0 - 1023	
39	SCIOUT L-period		7	0 - 255	
40	Interval setting for recovery		8	0 - 1023	
Group 200	Option				
0	Logo Prohibition	Logo Prohibition (0: Menu, 1: Forced)	0	0 - 1	Effective after AC On
1	RS232C Baudrate	Baud Rate	0	0 - 2	0: 19200bps, 1: 9600bps, 2: 115200bps
4	CABLE SW	Long Cable	0	0 - 1	0: Disable 1: Enable
5	PW Debug Command Enable		0	0 - 1	0: Disable 1: Enable
6	Device Refresh Disable		0	0 - 1	0:Disable (Serial Command Eanble) 1: Enable (PW Debug Mode)
7	Device Access Disable		0	0 - 1	0:Enable, 1:Disable No last memory
9	PJ-NET MCU test		0	0 - 1	0: Disable 1: Enable
20	Projector Time Reset		0	0-20	
40	Lamp PWM PresAv 50Hz		80	0-255	0:Enable (Normal), 1:Disable No last memory
41	Lamp PWM PresAv 60Hz		67	0-255	
42	Lamp PWM PresUnlock		65	0-255	
43	Lamp PWM PresPcA		2	0-255	
44	Lamp PWM PresPcB		3	0-255	
45	Lamp PWM PrefHAv50Hz		5000	0-65535	
46	Lamp PWM PrefHAv60Hz		5000	0-65535	
47	Lamp PWM PrefHUnlock		500	0-65535	
50	Lamp Replacement Display		1	0-1	
51	Filter Warning Display	Filter Warning Display On / Off	1	0-1	1: On, 0: Off
52	Lamp Counter Reset Times	Reset Times of Lamp Counter	0	0-255	Read only
53	Filter Counter Reset Times	Filter Counter Reset Times	0	0-255	
54	Factory Default Execute Times	Reset times of Fanctory Default	0	0-255	Read only
56	Menu Position	Move menu (X axis)	0	0 - 1024	
57	Menu Position	Move menu (Y axis)	0	0 - 1024	
59	Source Search Enable	Source Search Enable (0: Disable 1:Enable)	1	0-1	
60	Language Default Setting	Language Default setting (0: English 1:Japanese)	0	0-1	
65	Mute Setting In Freeze status	Mute On/Off in Freeze status	1	0-1	1: On, 0: Off
66	IRIS Warning display	Iris warning	1	0-1	1: On, 0: Off
67	Monitor setting in Freeze status	Monitor setting in Freeze status	1	0-1	1: On, 0: Off
Group 201	Option (signal)				
0	FrameLock Option		1	0 - 1	0: FrameLockOFF at PC signal 1: FrameLockON at PC signal and 47Hz (Vfreq) ~ Panel frequency of input signal
2	Field Sense Invert Enable		0	0 - 1	Reverse Processing of FLDINVSetting Value 0: Disable - Used FLDINV Setting Value 1: Enable - Used Reversed FLDINV Setting Value
4	Sub Image Enable		1	0 - 1	0:Disable (Service Adjustment Dsiable, Used all the Center Values 1:Enable (Service Adjustment Enable)
6	Zoom Accelerator Enable		0	0 - 1	0:Zoom Accelerator OFF, 1:Zoom Accelerator ON No last memory
7	DZoom Reset by Keystone		0	0 - 1	0:Enable (Normal), 1:Disable (Dzoom is not cancelled even if Keystone is cancelled) No last memory
8	Stability Count	Count Value of V-missing	5	0 - 255	
9	Sensivity for Signal Lost (HSYNC)	Only used this value for No Signal Judgement(Hz)	350	0 - 32767	
10	Sensivity for Signal Lost (VSYNC)	Only used this value for No Signal Judgement(Line)	3	0 - 255	

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
11	Keystone Filter Center Value	Reference Value	16	0 - 30	
Group 202	Option(MCI)				
1	Simple_channel_num		11	0-11	
Group 205	Spread Spetrum				
0	Enable	0=Enable, 1=Disable	1	0 - 1	
1	Modulation frequency		300	1 - 500	
2	Diffusivity		300	0 - 300	
Group 210	Lamp Control	(PT-VX505N/PT-VW435N)			
40	DIMMER_CTRL_LEVEL00	Luminance Level 00 Data for Dimmer: Dim Level 00 at the less than the Value	6	0-255	
41	DIMMER_CTRL_LEVEL01	Luminance Level 01 Data for Dimmer: Dim Level 01 at the less than the Value	12	0-255	
42	DIMMER_CTRL_LEVEL02	Luminance Level 02 Data for Dimmer: Dim Level 02 at the less than the Value	18	0-255	
43	DIMMER_CTRL_LEVEL03	Luminance Level 03 Data for Dimmer: Dim Level 03 at the less than the Value	23	0-255	
44	DIMMER_CTRL_LEVEL04	Luminance Level 04 Data for Dimmer: Dim Level 04 at the less than the Value	29	0-255	
45	DIMMER_CTRL_LEVEL05	Luminance Level 05 Data for Dimmer: Dim Level 05 at the less than the Value	35	0-255	
46	DIMMER_CTRL_LEVEL06	Luminance Level 06 Data for Dimmer: Dim Level 06 at the less than the Value	41	0-255	
47	DIMMER_CTRL_LEVEL07	Luminance Level 07 Data for Dimmer: Dim Level 07 at the less than the Value	47	0-255	
48	DIMMER_CTRL_LEVEL08	Luminance Level 08 Data for Dimmer: Dim Level 08 at the less than the Value	53	0-255	
49	DIMMER_CTRL_LEVEL09	Luminance Level 09 Data for Dimmer: Dim Level 09 at the less than the Value	58	0 - 255	
50	DIMMER_CTRL_LEVEL10	Luminance Level 10 Data for Dimmer: Dim Level 10 at the less than the Value	64	0 - 128	
51	DIMMER_CTRL_LEVEL11	Luminance Level 11 Data for Dimmer: Dim Level 11 at the less than the Value	70	0 - 128	
52	DIMMER_CTRL_LEVEL12	Luminance Level 12 Data for Dimmer: Dim Level 12 at the less than the Value	76	0 - 128	
53	DIMMER_CTRL_LEVEL13	Luminance Level 13 Data for Dimmer: Dim Level 13 at the less than the Value	82	0-255	
54	DIMMER_CTRL_LEVEL14	Luminance Level 14 Data for Dimmer: Dim Level 14 at the less than the Value	88	0 - 255	
55	DIMMER_CTRL_LEVEL15	Luminance Level 15 Data for Dimmer: Dim Level 15 at the less than the Value	93	0-255	
56	DIMMER_CTRL_LEVEL16	Luminance Level 16 Data for Dimmer: Dim Level 16 at the less than the Value	99	0-255	
57	DIMMER_CTRL_LEVEL17	Luminance Level 17 Data for Dimmer: Dim Level 17 at the less than the Value	105	0-255	
58	DIMMER_CTRL_LEVEL18	Luminance Level 18 Data for Dimmer: Dim Level 18 at the less than the Value	255	0-255	
59	DIMMER_AVERAGE_POINT	DIMMER_AVERAGE_POINT	4	1-16	
60	DIMMER_AVERAGE_DATA	DIMMER_AVERAGE_DATA	-	-	* Read only
61	DIMMER_LEVEL_AUTO	DIMMER_LEVEL_AUTO	-	-	* Read only
62	DIMMER_LEVEL_NORMAL	DIMMER_LEVEL_NORMAL	18/17	0-18	
63	DIMMER_LEVEL_ECO	DIMMER_LEVEL_ECO	0	0-18	
64	Panel life mode	Panel life mode	0	0-1	
65	Voltage_level	Voltage_level	-	-	* Read only
Group 211	General	(PT-VX505N/PT-VW435N)			

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
0	Mode	IRIS control mode setting 0:APL control by the user menu 1:Fixed control 2:Off control 3:Life Test mode	0	0-3	
1	Error Detect Enable	Iris abnormality detection function	1	0-1	0:Enable, 1:Disable
2	Open Position Offset	Open Position Offset	-12	-511-511	
3	Speed adjust	switch speed setting	4/2	1-1023	AV/PC
4	Manual position adjust	Iris(off) position setting	0	0-1023	
5	APL Threshold Min	APL Threshold Min data	0/4	0-255	AV/PC
6	APL Threshold Max	APL Threshold Max data	128/12	0-255	AV/PC
7	Change APL	Change APL	128/8	0-255	AV/PC
8	Change position	Change position	0/520	0-1023	AV/PC
9	Speed adjust 2	close speed setting	4/2	1-1023	AV/PC
10	Close Limit Dimmer 0	Close Limit Dimmer 0	500/700	0-1023	
11	Close Limit Dimmer 1	Close Limit Dimmer 1	500/700	0-1023	
12	Close Limit Dimmer 2	Close Limit Dimmer 2	500/700	0-1023	
13	Close Limit Dimmer 3	Close Limit Dimmer 3	500/700	0-1023	
14	Close Limit Dimmer 4	Close Limit Dimmer 4	500/700	0-1023	
15	Close Limit Dimmer 5	Close Limit Dimmer 5	500/700	0-1023	
16	Close Limit Dimmer 6	Close Limit Dimmer 6	500/700	0-1023	
17	Close Limit Dimmer 7	Close Limit Dimmer 7	500/700	0-1023	
18	Close Limit Dimmer 8	Close Limit Dimmer 8	500/700	0-1023	
19	Close Limit Dimmer 9	Close Limit Dimmer 9	500/700	0-1023	
20	Close Limit Dimmer 10	Close Limit Dimmer 10	500/700	0-1023	
21	Close Limit Dimmer 11	Close Limit Dimmer 11	500/700	0-1023	
22	Close Limit Dimmer 12	Close Limit Dimmer 12	500/700	0-1023	
23	Close Limit Dimmer 13	Close Limit Dimmer 13	500/700	0-1023	
24	Close Limit Dimmer 14	Close Limit Dimmer 14	500/700	0-1023	
25	Close Limit Dimmer 15	Close Limit Dimmer 15-18	500/700	0-1023	
30	Update Interval 1	Update interval 1(unit:ms)	8/15	0-1023	AV/PC
31	Update Interval 2	Update interval 2(unit:ms)	8/1	0-1023	AV/PC
Group 230	VBI Slice Level				
0	Generic Initial Slicing Level	PW190 register 0xE344	50	0-255	
1	Generic High Level Threshold	PW190 register 0xE345	-	0-255	* Read only
2	Generic Low Level Threshold	PW190 register 0xE346	-	0-255	* Read only
3	Generic Minimum Low Level	PW190 register 0xE347	30	0-255	
4	Generic Maximum High Level	PW190 register 0xE348	200	0-255	
Group 250	FAN Control * Fan volt- age adjustment				
0	FAN1 MIN ADJUST (DAC)	DAC Output for Fan Adjust the tolerance of DAC and Fan Volage. * Lamp mode is forced Eco	36	0-255	
1	FAN1 MAX ADJUST (DAC)		220	0-255	
2	FAN2 MIN ADJUST (DAC)		15	0-255	
3	FAN2 MAX ADJUST (DAC)		210	0-255	
4	FAN3 MIN ADJUST (DAC)		15	0-255	
5	FAN3 MAX ADJUST (DAC)		210	0-255	
6	FAN1 MIN ADJUST (DAC)		36	0-255	
7	FAN1 MAX ADJUST (DAC)		220	0-255	
8	FAN2 MIN ADJUST (DAC)		36	0-255	
9	FAN2 MAX ADJUST (DAC)		220	0-255	
10	FAN3 MIN ADJUST (DAC)		56	0-255	
11	FAN3 MAX ADJUST (DAC)		220	0-255	
12	FAN3 MIN ADJUST (DAC)		56	0-255	
13	FAN3 MAX ADJUST (DAC)		220	0-255	

Electrical Adjustments

Group/Item	Item Name	Function	Initial		Range	Note	
Group 252	FAN Option						
0	HI-LAND SWITCH	0: Normal, 1: Hi-Land "On1", 2: Hi-Land "On2"	-		0 - 2	* Read only	
1	SAFETY SWITCH	For test purpose	0		0,3-6		
2	FAN MANUAL SWITCH	0: Auto, 1: Manual	0		0 - 3		
3	FAN1 MANUAL VOLTAGE	Fan Voltage (unit : 0.1V)	100		0-255		
4	FAN2 MANUAL VOLTAGE	Effective only when Fan Manual switch is 1	100		0-255		
5	FAN3 MANUAL VOLTAGE		100		0-255		
6	FAN4 MANUAL VOLTAGE		100		0-255		
7	FAN5 MANUAL VOLTAGE		Fan Voltage (unit : 0.1V)	100		0-255	
8	FAN6 MANUAL VOLTAGE	Effective only when Fan Manual switch is 1	100		0-255		
9	FAN7 MANUAL VOLTAGE		100		0-255		
Group 253	Fan Tem Error Setting (Memorized) (PT-VX505N/PT-VW435N)		Normal	Ceiling	HiLand-Normal ON1/ ON2	HiLand-Ceiling ON1/ ON2	
0	Temp A Warning (High)			9999		-	
1	Temp B Warning (High)			9999		-	
2	Temp C Warning (High)			9999		-	
3	Temp B-A Warning(High)			9999		-	
4	Temp C-A Warning(High)			9999		-	
5	Temp A Warning (Normal)	Temp. A to judge the Temp Error at Normal (Room)	45	44	39/35	39/36	30-100
6	Temp B Warning (Normal)	Temp. B to judge the Temp Error at Normal (Panel)	64	63	54/50	54/51	30-100
7	Temp C Warning (Normal)	Temp. C to judge the Temp Error at Normal (Lamp)	65	65	56/58	56/59	30-100
8	Temp B-A Warning (Normal)	Temp. B-A to judge the Temp Error at Normal (Clogging Det.)	28	28	24/22	24/22	0-100
9	Temp C-A Warning(Normal)	Temp. C-A to judge the Temp Error at Normal (Clogging Det.)	21	21	18/16	18/16	0-100
10	Temp A Warning (Eco)	Temp. A to judge the Temp Error at Eco (Room)	49	48	39/36	39/37	30-100
11	Temp B Warning (Eco)	Temp. B to judge the Temp Error at Eco(Panel)	68	67	53/50	53/50	-
12	Temp C Warning (Eco)	Temp. C to judge the Temp Error at Eco(Panel)	65	64	55/57	55/58	30-100
13	Temp B-A Warning (Eco)	Temp. B-A to judge the Temp Error at Normal (Clogging Det.)	34	34	27/25	27/25	0-100
14	Temp C-A Warning (Eco)	Temp. C-A to judge the Temp Error at Normal (Clogging Det.)	26	26	20/17	20/17	0-100
15	Temp A Warning Offset (Temp)			5			0-100
16	Temp B Warning Offset (Temp)	Offset of Temp Error (Temp.) Error Setting Value is increased XC at the below condition * Standby * Right to turn on the lamp * Right to change the Lamp mode		10			0-100
17	Temp C Warning Offset (Temp)			10			0-100
18	Temp B-A Warning Offset (Temp)			100			0-100
19	Temp C-A Warning Offset (Temp)			100			0-100
20	Temp A Warning Offset (Time)	Offset of Temp Error (Minutes) Error Setting Value is increased X minute at the below condition * Standby * Right to turn on the lamp * Right to change the Lamp mode		3			0-5
21	Temp B Warning Offset (Time)			3			0-5
22	Temp C Warning Offset (Time)			3			0-5
23	Temp B-A Warning Offset (Time)			3			0-5
24	Temp C-A Warning Offset (Time)			3			0-5
26	Temp A ForceLamp ECO		39	40	37/33	37/34	20-50
27	Temp A ForceLamp ECO EN-ABLE			1			0-1
Group 254	Fan Control Range Setting (Temp./Voltage) (PT-VX505N/PT-VW435N)		Normal	Ceiling	HiLand-Normal ON1/ ON2	HiLand-Ceiling ON1/ ON2	
0	Normal Fan Control Min Temp		30	31	26/26	25/26	20-100
1	Normal Fan Control Max Temp		38	38	34/32	34/33	20-100
2	Normal Fan1 Min		62	62	82/102	82/102	0-255

Electrical Adjustments

Group/Item	Item Name	Function	Initial				Range	Note
	3 Normal Fan1 Max		138	138	138/138	138/138	0-255	
	4 Normal Fan2 Min		67	67	87/107	87/107	0-255	
	5 Normal Fan2 Max		138	138	138/138	138/138	0-255	
	6 Normal Fan3 Min		57	60	77/97	77/97	0-255	
	7 Normal Fan3 Max		138	138	138/138	138/138	0-255	
	8 Normal Fan4 Min		70	70	90/110	90/110	0-255	
	9 Normal Fan4 Max		138	138	138/138	138/138	0-255	
	10 Normal Fan5 Min		70	70	80/86	85/91	0-255	
	11 Normal Fan5 Max		70	70	80/86	85/91	0-255	
	12 Normal Fan6 Min		75	75	95/115	95/115	0-255	
	13 Normal Fan6 Max		138	138	138/138	138/138	0-255	
	14 Normal Fan7 Min		75	75	95/115	95/115	0-255	
	15 Normal Fan7 Max		138	138	138/138	138/138	0-255	
	16 Eco Fan Control Min Temp	Temp Sensor Control Start/End Temp at Normal	29	30	25/25	25/25	20-100	
	17 Eco Fan Control Max Temp		44	44	34/34	34/35	20-100	
	18 Eco Fan1 Min		43	43	63/83	63/83	0-255	
	19 Eco Fan1 Max	Fan voltage value at Normal (unit: 0.1V)	120	120	120/120	120/120	0-255	
	20 Eco Fan2 Min		47	48	68/88	68/88	0-255	
	21 Eco Fan2 Max		120	120	120/120	120/120	0-255	
	22 Eco Fan3 Min		38	40	58/78	58/78	0-255	
	23 Eco Fan3 Max		120	120	120/120	120/120	0-255	
	24 Eco Fan4 Min		48	48	68/88	68/88	0-255	
	25 Eco Fan4 Max		120	120	120/120	120/120	0-255	
	26 Eco Fan5 Min		48	48	57/64	57/69	0-255	
	27 Eco Fan5 Max		48	48	57/64	57/69	0-255	
	28 Eco Fan6 Min		60	60	80/100	80/100	0-255	
	29 Eco Fan6 Max		120	120	120/120	120/120	0-255	
	30 Eco Fan7 Min		60	60	80/100	80/100	0-255	
	31 Eco Fan7 Max		120	120	120/120	120/120	0-255	

Group 255	Fan Start/Cooling Setting							
	0 Fan1 Initial Volt			60			0-255	
	1 Fan2 Initial Volt			60			0-255	
	2 Fan3 Initial Volt			60			0-255	
	4 Fan4 Initial Volt	Fan Start Voltage(0.1V)		60			0-255	
	5 Fan5 Initial Volt			60			0-255	
	6 Fan6 Initial Volt			60			0-255	
	7 Fan7 Initial Volt			60			0-255	
	8 Fan1 Cooling Speed			135			0-255	
	9 Fan2 Cooling Speed			135			0-255	
	10 Fan3 Cooling Speed			135			0-255	
	11 Fan4 Cooling Speed	Power off;Fan Voltage(0.1V)		135			0-255	
	12 Fan5 Cooling Speed			60			0-255	
	13 Fan6 Cooling Speed			135			0-255	
	14 Fan7 Cooling Speed			135			0-255	
	16 Cooling Time L1	Cooling Time setting at Fan Mode L1 (x 30 sec) 1: 30, 3: 90, 15: 450 sec.		2			1-15	
	17 Cooling Time L2	Cooling Time setting at Fan Mode L2 (x 30 sec) 1: 30, 3: 90, 15: 450 sec.		3			1-15	
	18 Temp Error Cooling Time	Cooling Time setting at Temp Error (x 30 sec)		3			1-15	
	19 OnStart Cooling Start Threshold			38			0-100	
	20 After shutdown cooling	Cooling after shutdown (0: No, 1: Yes)		1			0-1	

Group 256	Fan/Lamp Voltage Dimmer Setting							
	0 Lamp Voltage			-			0-255	* Read only
	1 Lamp Vol Threshold			0			30-90	
	2 Fan 1 Speed Gain			10			0-255	
	3 Fan 2 Speed Gain			10			0-255	
	4 Fan 3 Speed Gain			10			0-255	
	5 Fan 4 Speed Gain			10			0-255	
	6 Fan 5 Speed Gain			10			0-255	
	7 Fan 6 Speed Gain			10			0-255	
	8 Fan 7 Speed Gain			10			0-255	

Group 257	Fan Dimmer Setting							
	0 Dimmer Average Check Period	Dimmer Average measurement Time (0:10sec. 1:30sec. 2:60 sec. 3:90sec...10:300sec.)		1			0-10	

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
1	Dimmer Average	Dimmer Average Value (Read only)	-		
2	Last Voltage Difference		-		
3	Voltage Difference Goal		-		
Group 258	Colser IRIS,Fan Vlotage rising				
0	Fan Vol. Offset Iris Threshold	Fan vol rising to Iris	530	0-1023	
1	Fan Vol. Offset Speed	Fan vol is set to 1/5	6	0-30	
2	Normal Fan4 Offset	Lamp mode normal,fan vol. offset data	10	0-255	
3	Normal Fan7 Offset		0	0-255	
4	Eco Fan4 Offset	Lamp mode Eco,fan vol. offset data	10	0-255	
5	Eco Fan7 Offset		0	0-255	
Group 259	Fan MIC IC temperature rising resolve				
0	Fan6	Fan voltage (unit: 0.1V)	60	0-255	
1	Fan7		60	0-255	
Group 260	Auto Calibration(Common)*Auto Calibration				
0	Execute Calibration		0	0 - 1	Executes Auto-Calibration when changing the Value (PC White 100%)
1	Loop Count	Maximum Execution Times (OFFSET->GAIN)	10	1 - 30	
2	Auto Status	Result of Auto-Calibration (Last Memory)	0	0 / 1 / 9	0: OK, 1: Adjusting,9: Error *
3	AutoWait	Wait Value for each setting	1	1 - 20	ReadOnly
4	CHECK -Tolence	Tolence of OFFSET	2	1 - 255	
Group 261	Auto Calibration (RGB)				
0	OFFSET AREA H START	Black Level Acquiring Area H-Start Position	975	0 - 1000	
1	OFFSET AREA V START	Black Level Acquiring Area V-Start Position	500	0 - 1000	
2	GAIN AREA H START	White Level Acquiring Area H-Start Position	25	0 - 1000	
3	GAIN AREA V START	White Level Acquiring Area V-Start Position	500	0 - 1000	
4	Image AREA H WIDTH	Black/White Level Acquiring Area	13	0 - 4095	
5	Image AREA V HIGHT	Black/White Level Acquiring Area Height	9	0 - 4095	
6	OFFSET target	Target Value of Black Level Adj.	3	0 - 127	
7	OFFSET torelance	Tolence of Black Level Adj.	1	1 - 127	
8	GAIN target	Target Value of White Level Adj.	238	0 - 255	
9	GAIN torelance	Tolence of White Level Adj.	1	1-255	
Group 262	Auto Calibration (CVBS/SVIDEO)				
0	Y Image Area Start X	Y Acquiring Area H-Start Position	20	0-1000	
1	Y Image Area Start Y	Y Acquiring Area V-Start Position	200	0-1000	
6	Image Area H Width	Image Level Acquiring Area	8	0-4095	
7	Image Area V Hight	Image Level Acquiring Area Height	9	0-4095	
8	Y Target Level	Target Value of Y Level Adj.	217	0-255	
11	Gain Tolerance	Tolence of Level Adj.	1	0-255	
12	Delta Gain	Deviation Width of Gain Value	9	0-255	
Group 264	Auto Calibration (YCbCr)				
0	Y-OFFSET AREA H START	Y - Offset Acquiring Area H-Start Position	925	0 - 1000	
1	Y-OFFSET AREA V START	Y - Offset Acquiring Area V-Start Position	500	0 - 1000	
2	CB - OFFSET AREA H START	CB - Offset Acquiring Area H-Start Position	925	0 - 1000	
3	CB - OFFSET AREA V START	CB - Offset Acquiring Area V-Start Position	500	0 - 1000	
4	CR - OFFSET AREA H START	CR - Offset Acquiring Area H-Start Position	925	0 - 1000	
5	CR - OFFSET AREA V START	CR - Offset Acquiring Area V-Start Position	500	0 - 1000	
6	Y - GAIN AREA H START		50	0 - 1000	
7	Y - GAIN AREA V START		500	0 - 1000	
8	CB - GAIN AREA H START		800	0 - 1000	
9	CB - GAIN AREA V START		500	0 - 1000	
10	CR - GAIN AREA H START		700	0 - 1000	

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
11	CR - GAIN AREA V START		500	0 - 1000	
12	Image AREA H WIDTH	YCBCR Level Acquiring Area	13	0 - 4095	
13	Image AREA V HIGHT	YCBCR Level Acquiring Area Height	9	0 - 4095	
14	Y - OFFSET TARTGET		4	1 - 255	
15	CB OFFSET TARGET		128	1 - 255	
16	CR OFFSET TARGET		128	1 - 255	
17	Y-GAIN TARGET		217	1 - 255	
18	CB-GAINTARGET		237	1 - 255	
19	CR-GAINTARGET		237	1 - 255	
20	OFFSET torelance	Torelance of OFFSET Adj.	1	1 - 255	
21	GAIN torelance	Torelance of GAIN Adj.	1	1 - 255	

Group 270	CUSTOM(Aspect)				
0	Scaler Horizontal	Horizontal Scaler Edit	100	68-132	
1	Scalcer Vertical	Vertical Scaler Edit	100	68-132	
2	Connect	Seperate/Connect Edit	0	0-1	0:Seperate, 1: Connect
3	Position Horizontal	Horizontal Postion Correction	100	85-115	
4	Position Vertical	Vertical Position Correct	100	85-115	
5	Aspect Enable		0	0 - 1	0: False, 1: True

Group 275	DLV Illuminance Sensor				
0	Illuminance measurements(ADC)	Illuminance measurements(ADC)	-	0-255	* Read only
1	Illuminance data(Lx)	Illuminance data(Lx)	-	0-1023	* Read only
2	DLV_Level	DLV_Level value	-	0-3	* Read only
3	L1 Value(Floor)	Reference value switching Level1-> 0 when (illumiance value)	36	0-255	
4	L2 Value(Floor)	Reference value switching Level 0-> at the time of a value (brightness)	67	0-255	
5	L3 Value(Floor)	Reference value switching Level2-> when a (illumiance value)	86	0-255	
6	L4 Value(Floor)	Reference value switching Level1-> when 2 (illumiance value)	121	0-255	
7	L5 Value(Floor)	Reference value switching Level3-> when 2 (illumiance value)	161	0-255	
8	L6 Value(Floor)	Reference value switching Level2-> 3 o'clock (illumiance value)	202	0-255	
9	L1 Value(Ceiling)	Reference value switching Level1-> 0 when (illumiance value)	18	0-255	
10	L2 Value(Ceiling)	Reference value switching Level 0> at the time of a value (brightness)	21	0-255	
11	L3 Value(Ceiling)	Reference value switching Level2-> when a (illumiance value)	24	0-255	
12	L4 Value(Ceiling)	Reference value switching Level1-> when 2 (illumiance value)	32	0-255	
13	L5 Value((Ceiling)	Reference value switching Level3-> when 2 (illumiance value)	39	0-255	
14	L6 Value(Ceiling)	Reference value switching Level2-> 3 o'clock (illumiance value)	51	0-255	
15	DLV ON_Level	Level of DLL in the ON mode of DLV	3	0-3	

Group 276	DLV Image quality correction				
0	Color correction gain (PW)	To enable / disable color correction PW gain during DLV Auto / On	1	0-255	0:Enabel, 1:Disable
1	correction gain user R (Gamma)	To enable / disable user R gain compensation at the time of DLV Auto / On	1	0-255	0:Enabel, 1:Disable
2	Correction Sub Gamma (Gamma)	To enable / disable Sub Gamma correction when the DLV Auto / On	1	0-255	0:Enabel, 1:Disable
3	Sharpness correction (PW)	Enable / disable the correction of sharpness when DLV Auto / On	1	0-255	0:Enabel, 1:Disable

Group 280	AutoPC Adjust				
0	AutoPCAdjustEnable	Auto-PC Adj Operation Enable if Un-supported Signal Input	0	0-1	0:Enabel, 1:Disable
1	Frequency Step	Frequency Steps of Total Dot	1	0-3	
2	Frequency Threshold	Total Dot Frequency Threshold	5	0-10	0[]<-- --> 10[Not matched]
3	Fine Phase	Do Phase Adj after Total Dot Adj.	1	0-1	0;Excutes Fine Phase; 1:Not Excute
4	BLKDET	Black Level Detection Area	1	0 - 7	
5	PHASEMSK	Phase Detection Filter	0	0 - 3	0: Effective All Bit, 1: Disable Lower 1 bit, 2: Disable Lower 2 bit, 3: Disable Lower 3 bit

Group 290	PanelType				
------------------	------------------	--	--	--	--

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
0	GammaL/R-View	Current Setting Check	0	0-20	0: Gamma for L-Turn 20: Gamma for R-Turn * Read only Sets L-Turn Gamma if the Value is set to 0. Sets R-Turn Gamma if the Value is set to 20.
1	GammaL/R-Change	Setting of Gamma	10	0-20	
Group 430	Model No.Setting [No NAME]				
0	Model No. Confirm	0 : No Name 1 : PT-VW435N 2 : PT-VW435NU 3 : PT-VW435NE 4 : PT-VW435NEJ 5 : PT-VW435NEA 6 : PT-VW435NEAJ	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 430	Model No.Setting [No NAME]				
0	Model No. Confirm	0 : No Name 1 : PT-VX505N 2 : PT-VX505NU 3 : PT-VX505NE 4 : PT-VX505NEJ 5 : PT-VX505NEA 6 : PT-VX505NEAJ 7 : PT-BX55NC	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 431	Model No.Setting [PT-VW435N/PT-VX505N]				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 432	Model No.Setting [PT-VW435NU/PT-VX505NU]				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 433	Model No.Setting [PT-VW435NE/PT-VX505NE]				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 434	Model No.Setting [PT-VW435NEJ/PT-VX505NEJ]				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 435	Model No.Setting [PT-VW435NEA/PT-VX505NEA]				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 436	Model No.Setting [PT-VW435NEAJ/PT-VX505NEAJ]				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	
Group 437	Model No.Setting [PT-BX55NC]				
0	Model No. Confirm	*Refer to G430-0	0	-	
1	Model No. Setting	Model No. is set when the value is set to 10.	0	0-10	

Electrical Adjustments

Group/Item	Item Name	Function	Initial	Range	Note
Group 500	Composite (NTSC) Composite / S-Video				
1	Disp Dots		668	0 ~ 4095	
2	H Back Porch		28	0 ~ 4095	
3	V Back Porch		18	0 ~ 4095	
4	Disp Line		458	0 ~ 4095	
Group 501	Composite (PAL) Composite / S-Video				
1	Disp Dots		658	0 ~ 4095	
2	H Back Porch		34	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
4	Disp Line		536	0 ~ 4095	
Group 502	Composite (SECAM) Composite / S-Video				
1	Disp Dots		652	0 ~ 4095	
2	H Back Porch		28	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
4	Disp Line		536	0 ~ 4095	
Group 510	SCART (480i)				
1	Disp Dots		674	0 ~ 4095	
2	H Back Porch		132	0 ~ 4095	
3	V Back Porch		43	0 ~ 4095	
4	Disp Line		452	0 ~ 4095	
Group 511	SCART (575i)				
1	Disp Dots		650	0 ~ 4095	
2	H Back Porch		152	0 ~ 4095	
3	V Back Porch		68	0 ~ 4095	
4	Disp Line		514	0 ~ 4095	
Group 520	YCbCr (480i)				
0	Total Dots		858	0 ~ 4095	
1	Disp Dots		670	0 ~ 4095	
2	H Back Porch		146	0 ~ 4095	
3	V Back Porch		48	0 ~ 4095	
4	Disp Line		458	0 ~ 4095	
Group 521	YCbCr (575i)				
0	Total Dots		864	0~4095	
1	Disp Dots		656	0~4095	
2	H Back Porch		162	0~4095	
3	V Back Porch		64	0~4095	
4	Disp Line		534	0~4095	
Group 522	YCbCr (480P)				
0	Total Dots		858	0 ~ 4095	* Read only
1	Disp Dots		684	0 ~ 4095	
2	H Back Porch		136	0 ~ 4095	
3	V Back Porch		46	0 ~ 4095	
4	Disp Line		460	0 ~ 4095	
Group 523	YCbCr (575P)				
0	Total Dots		864	0 ~ 4095	* Read only
1	Disp Dots		690	0 ~ 4095	
2	H Back Porch		142	0 ~ 4095	

Electrical Adjustments

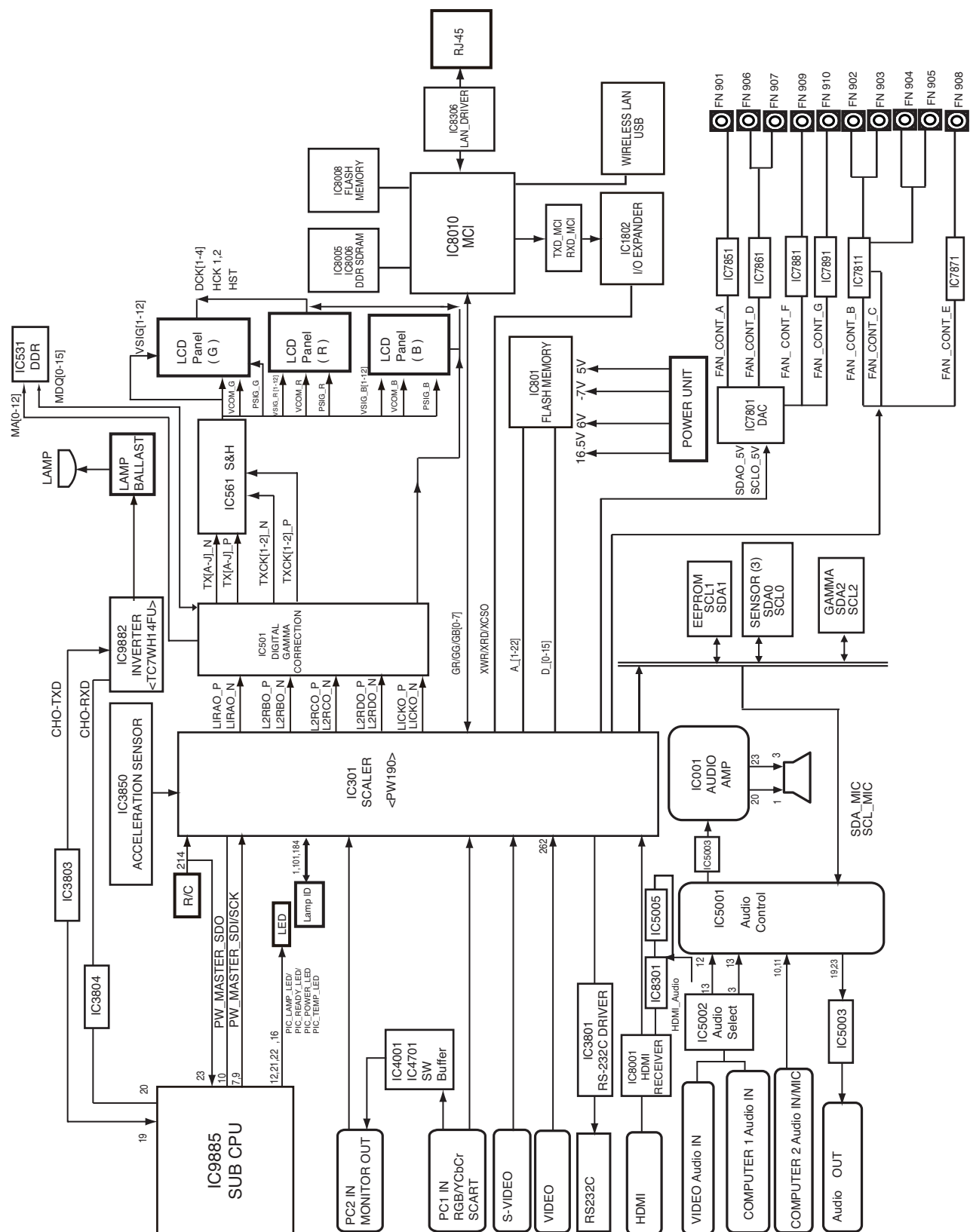
Group/ Item	Item Name	Function	Initial	Range	Note
3	V Back Porch		56	0 ~ 4095	
4	Disp Line		550	0 ~ 4095	
Group 524	YCbCr (720P - 60)				
0	Total Dots		1650	0 ~ 4095	* Read only
1	Disp Dots		1248	0 ~ 4095	
2	H Back Porch		313	0 ~ 4095	
3	V Back Porch		34	0 ~ 4095	
4	Disp Line		700	0 ~ 4095	
Group 525	YCbCr (720P - 50)				
0	Total Dots		1980	0 ~ 4095	* Read only
1	Disp Dots		1248	0 ~ 4095	
2	H Back Porch		338	0 ~ 4095	
3	V Back Porch		36	0 ~ 4095	
4	Disp Line		700	0 ~ 4095	
Group 526	YCbCr (1080i - 60)				
0	Total Dots		2200	0 ~ 4095	* Read only
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		256	0 ~ 4095	
3	V Back Porch		54	0 ~ 4095	
4	Disp Line		1052	0 ~ 4095	
Group 527	YCbCr (1080i - 50)				
0	Total Dots		2640	0 ~ 4095	* Read only
1	Disp Dots		1870	0 ~ 4095	
2	H Back Porch		257	0 ~ 4095	
3	V Back Porch		54	0 ~ 4095	
4	Disp Line		1052	0 ~ 4095	
Group 528	YCbCr (1035i)				
0	Total Dots		2200	0 ~ 4095	* Read only
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		256	0 ~ 4095	
3	V Back Porch		92	0 ~ 4095	
4	Disp Line		1012	0 ~ 4095	
Group 540	RGB Video (480i)				
0	Total Dots		960	0 ~ 4095	
1	Disp Dots		752	0 ~ 4095	
2	H Back Porch		166	0 ~ 4095	
3	V Back Porch		48	0 ~ 4095	
4	Disp Line		460	0 ~ 4095	
Group 541	RGB Video (575i)				
0	Total Dots		966	0 ~ 4095	
1	Disp Dots		736	0 ~ 4095	
2	H Back Porch		182	0 ~ 4095	
3	V Back Porch		66	0 ~ 4095	
4	Disp Line		536	0 ~ 4095	
Group 542	RGB Video (480P)				
0	Total Dots		960	0 ~ 4095	
1	Disp Dots		766	0 ~ 4095	
2	H Back Porch		156	0 ~ 4095	
3	V Back Porch		46	0 ~ 4095	
4	Disp Line		460	0 ~ 4095	
Group 543	RGB Video (575P)				
0	Total Dots		986	0 ~ 4095	
1	Disp Dots		774	0 ~ 4095	
2	H Back Porch		174	0 ~ 4095	
3	V Back Porch		62	0 ~ 4095	
4	Disp Line		540	0 ~ 4095	

Electrical Adjustments

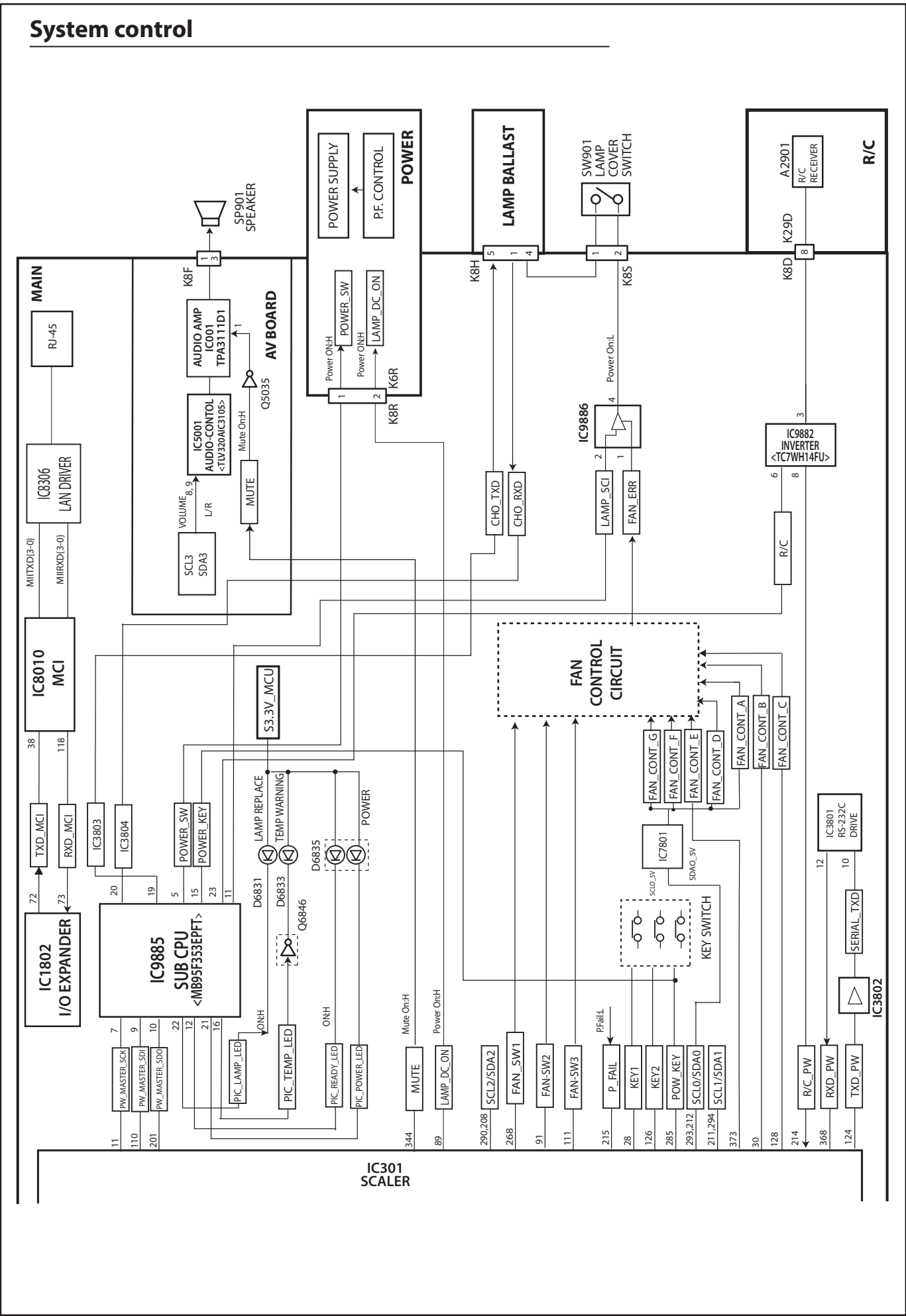
Group/Item	Item Name	Function	Initial	Range	Note
Group 544	RGB Video (720P - 60)				
0	Total Dots		1650	0 ~ 4095	
1	Disp Dots		1246	0 ~ 4095	
2	H Back Porch		318	0 ~ 4095	
3	V Back Porch		36	0 ~ 4095	
4	Disp Line		698	0 ~ 4095	
Group 545	RGB Video (720P - 50)				
0	Total Dots		1980	0 ~ 4095	
1	Disp Dots		1246	0 ~ 4095	
2	H Back Porch		310	0 ~ 4095	
3	V Back Porch		34	0 ~ 4095	
4	Disp Line		702	0 ~ 4095	
Group 546	RGB Video (1080i - 60)				
0	Total Dots		2200	0 ~ 4095	
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		260	0 ~ 4095	
3	V Back Porch		58	0 ~ 4095	
4	Disp Line		1046	0 ~ 4095	
Group 547	RGB Video (1080i - 50)				
0	Total Dots		2640	0 ~ 4095	
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		260	0 ~ 4095	
3	V Back Porch		56	0 ~ 4095	
4	Disp Line		1050	0 ~ 4095	
Group 548	RGB Video (1035i)				
0	Total Dots		2200	0 ~ 4095	
1	Disp Dots		1872	0 ~ 4095	
2	H Back Porch		260	0 ~ 4095	
3	V Back Porch		92	0 ~ 4095	
4	Disp Line		1008	0 ~ 4095	
Group 560	HDCP (480P)				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBE		2	0 ~ 15	
Group 561	HDCP (575P)				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBE		2	0 ~ 15	
Group 562	HDCP (720P -60)				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBE		2	0 ~ 15	
Group 563	HDCP (720P -50)				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBE		2	0 ~ 15	
Group 564	HDCP (1080i -60)				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBE		2	0 ~ 15	
Group 565	HDCP (1080i -50)				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBE		2	0 ~ 15	
Group 566	HDCP (1035i)				
7	OverScan	Over Scan Rate(0~25.5%:0.1%step)	0	0 ~ 255	
8	VSBE		2	0 ~ 15	

Electrical Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
Group 981	Color Shading Adj Offset				
0	R-Max		128	0 - 255	
1	R-Mid1		128	0 - 255	
2	R-Mid2		128	0 - 255	
3	R-Min		128	0 - 255	
4	G-Max		128	0 - 255	
5	G-Mid1		128	0 - 255	
6	G-Mid2		128	0 - 255	
7	G-Min		128	0 - 255	
8	B-Max		128	0 - 255	
9	B-Mid1		128	0 - 255	
10	B-Mid2		128	0 - 255	
11	B-Min		128	0 - 255	

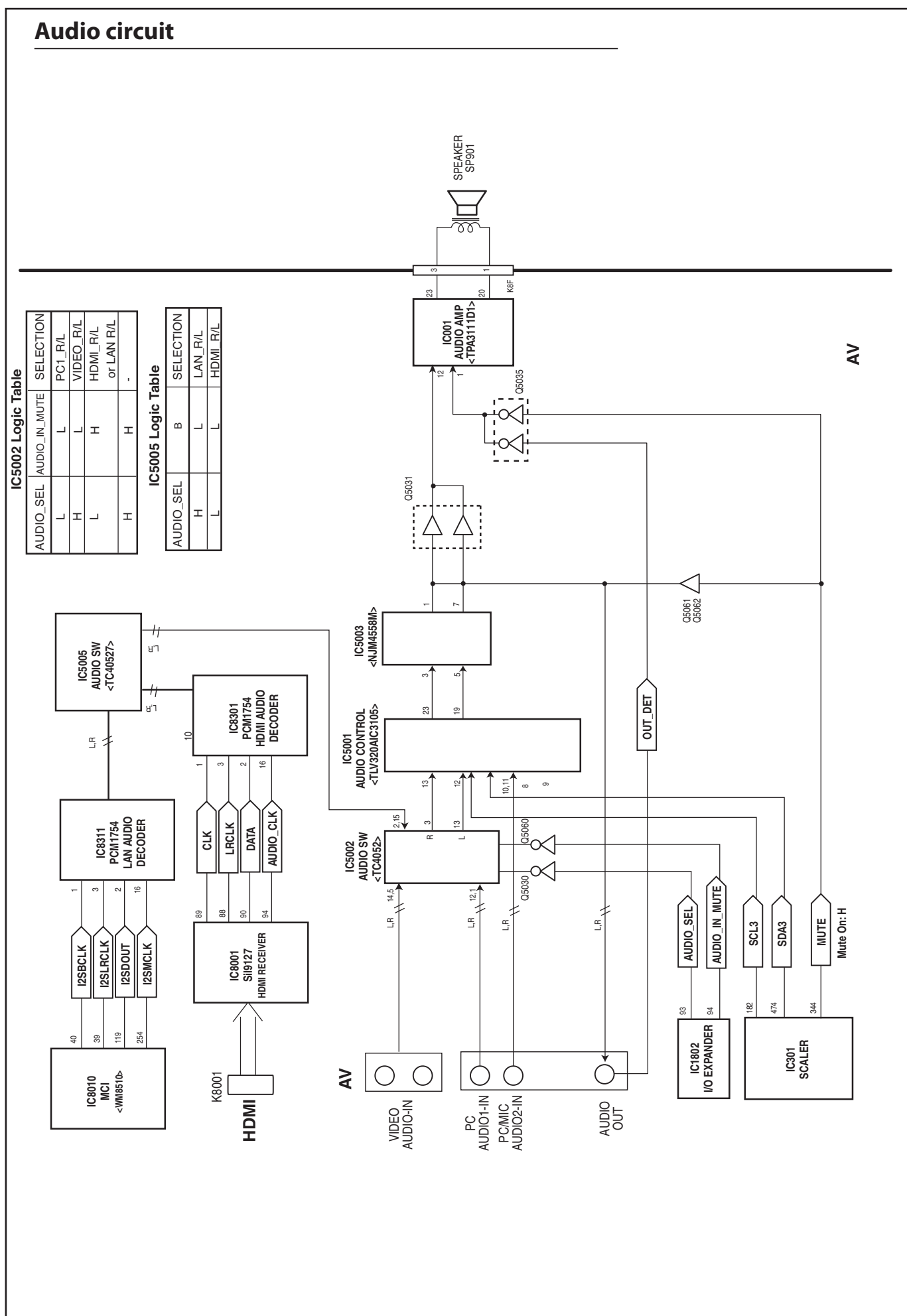


System control

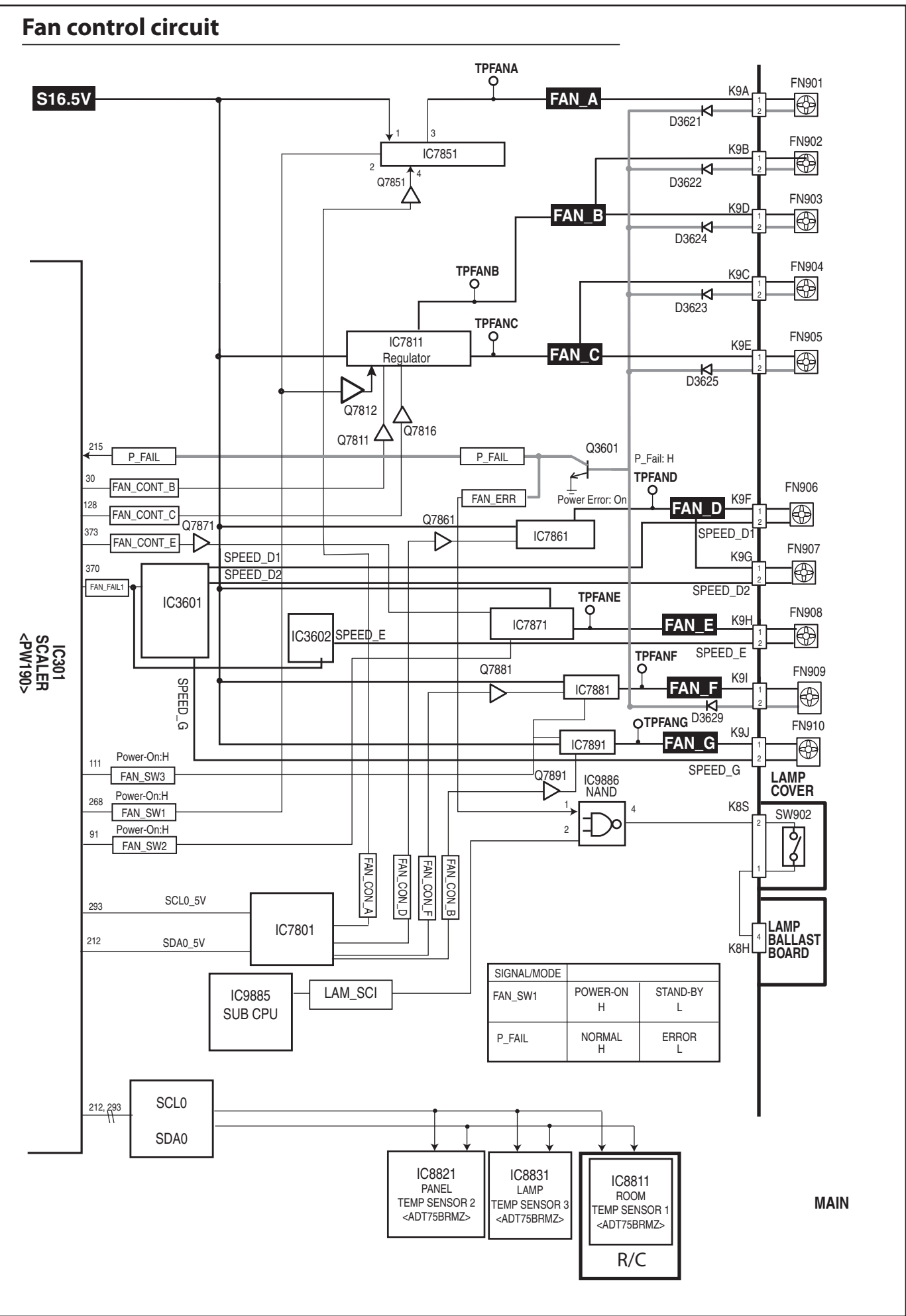




Audio circuit



Fan control circuit



Troubleshooting

Indicators and projector condition

Each indicator on the projector indicates the operating status of the projector. If you find the un-expected operation during usage, check the projector's operation with the tables below. The indicators also let you know the maintenance sign. To use the projector in the best performance for a long period of time, take an adequate maintenance according to the indicator status.

ON(G)/STANDBY(R) indicator

Indicator status		Status
No illumination or flashing		The power cord is unplugged.
RED	Lit	The power cord is plugged
		The projector is in stand-by mode, after the cooling is completed.
ORANGE	Flashing	The projector is cooling down. The projector cannot be turned on until cooling is completed and the <ON(G)/STANDBY(R)> indicator stops blinking.
		The temperature inside the projector is abnormally high. And the <WARNING> indicator also blinks in red. The projector cannot be turned on until cooling is completed and the <ON(G)/STANDBY(R)> indicator stops blinking.
GREEN	Lit	Projecting.
	Flashing	The projector is in stand-by status with [Power management] function. The projection lamp will be turned on if the input signal is reconnected or any button on the control panel or remote control is pressed.

LAMP indicator

Indicator	Lighting in yellow
Status	The projection lamp reaches its end of life.
Check	Is there a Lamp replacement icon appears on the screen?
Remedy	Replace the lamp unit.


WARNING indicator

Indicator	Lights in red.	Blinks in red.
Status	The projector detects an abnormal condition and cannot be turned on.	If the temperature within the projector becomes too high, the <WARNING> indicator will start to flash slowly. If the temperature within the projector becomes even higher, the <WARNING> indicator will flash faster, and the <ON(G)/STANDBY(R)> indicator blinks in orange. When the projector has cooled inside and returned to operating temperature, it will turn off automatically.
Check	Unplug the AC power cord and plug it again to turn on the projector.	<ul style="list-style-type: none">- Did you provide appropriate space for the projector to be ventilated? Check the installing condition to see if the air vents of the projector are not blocked.- Has the projector been installed near an Air-Conditioning/ Heating Duct or Vent?- Are the filters clean?
Remedy	If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center for service and checkup.	<ul style="list-style-type: none">- Provide good installing condition to your projector.- Move the installation of the projector away from the duct or vent.- Replace filters.

Note:

- If <WARNING> indicator persists to light or blink after taking these measurements, please contact your dealer for repair services. Do not leave the projector on. It may cause an electric shock or a fire hazard.
- The projector detects an abnormal condition and cannot be turned on. Unplug the AC power cord and plug it again to turn on the projector. If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center for service and checkup. Do not leave the projector on. It may cause an electric shock or a fire hazard.

No power

This projector provides a function which can be specified a defective area simply by indicating the LEDs. Connect the AC cord and press the  button once and then check the LED indication.

- **When all of LED indicators are not lighting**, the symptom indicates that the primary power supply circuit does not operate properly. Check the power primary circuit and parts as follow;
AC cord, F601 (Fuse), Power board, SW902 (Thermal fuse)
SW902 opens when the surrounding temperature of the switch exceeds 113°C.

- **When the WARNING (red) and ON(G)/STANDBY(R) (orange) indicators are flashing**, the symptom indicates that the projector detected an abnormal temperature risen inside the projector. Check the air filters and remove the object near the intake and exhaust fan openings, and wait until the ON(G)/STANDBY(R) indicator stops flashing, and then try to turn on the projector.
The internal temperature is monitored by sensor ICs, IC8831, IC8821 on the MAIN board and IC8811 on the R/C board.

- **When the WARNING indicator lights red**, the symptom indicates that the projector detected an abnormality in the cooling fan operation or in the power supply secondary circuits. Check fan operation and power supply lines, and the driving signal status.

The P_FAIL signal (Error: L), FAN_ERR_B signal (Error: L) and FAN_FAIL1 signal (Error:L) are sent to pins, 215 and 29 of IC301 <SYSTEM CONTROL> respectively when the abnormality occurred inside the projector, and then the IC301 sends the shutdown signal, LAMP_DC_ON, to the power supply circuit to stop its operation, and signal LAMP_SCI to the lamp ballast board via IC9885 and SW901<lamp cover switch> to stop operation of the lamp circuit.

An abnormality occurs on the secondary power supply;

Check power supplies S16.5V, S6V, S-7V.5VSTB, P_FAIL signal becomes Low when the abnormality occurs on any of the power supply lines.

An abnormality occurs on the fan control circuit;

If fans FN901, FN902, FN903, FN904, FN905, FN909 has an error, the FAN_ERR and P_FAIL signals become "L". If fans FN909, FN910 has an error, the FAN_ERR_B signal become "L".

If fans FN906, FN907, FN908, FN910 has an error, the FAN_FAIL1 signals become "L".

The FAN_ERR signal cuts off the LAMP_SCI signal which is supplied to the lamp ballast board if the FAN_ERR signal is "L".

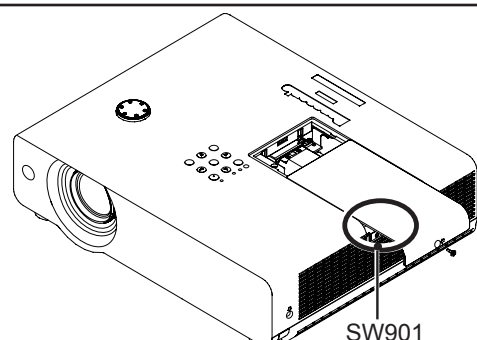
An abnormality occurs on the drive signals;

The driving signals for the each power supply are shown in the table below.

Drive signal	Output IC	Pin	I/O	Level	Switch/IC	Power/Circuit
15.25P_SW	IC501	42	O	H	IC582	15.25V
12.25A_SW		154	O	H	IC592	15.25V_A
POW_GAM_3.3V	IC301	276	O	H	IC411	3.3V
POW_GAM_2.5V		353	O	H	IC431	2.5V
POW_GAM_1.8V		271	O	H	IC441	1.8V
POW_GAM_1.0V		276	O	H	IC421	1.0V
POWER_SW1	IC9885	17	O	H	IC5821 IC5861	S3.3V S1.8V
POWER_SW		5	O	H	RL601	Standby circuit

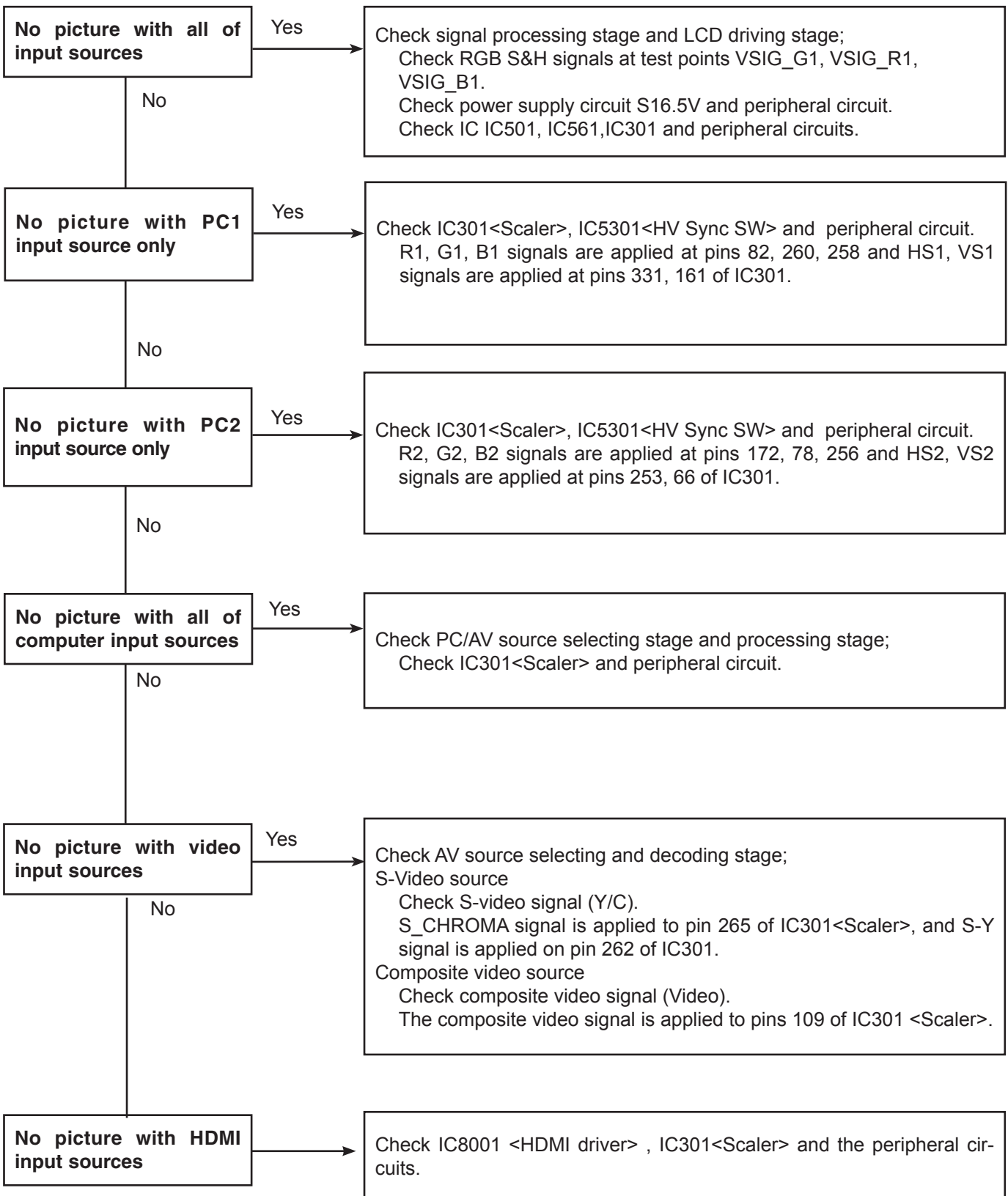
Lamp cover switch

Make sure that the lamp cover is mounted correctly. If not or the lamp cover removed, the lamp does not light on for the safety. Check the lamp cover and lamp cover switch (SW901).



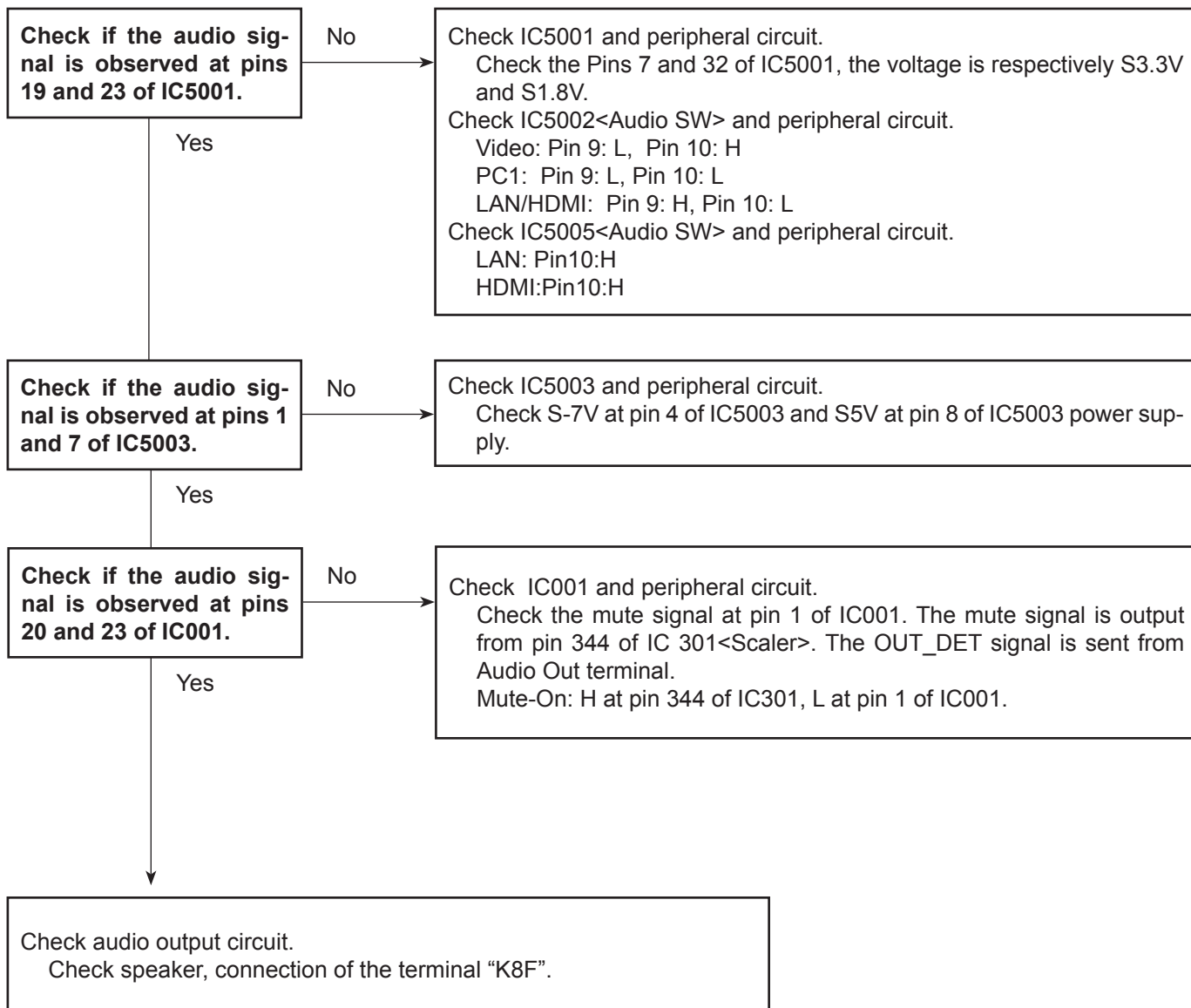
No picture

Check following steps.



No sound

Check following steps.

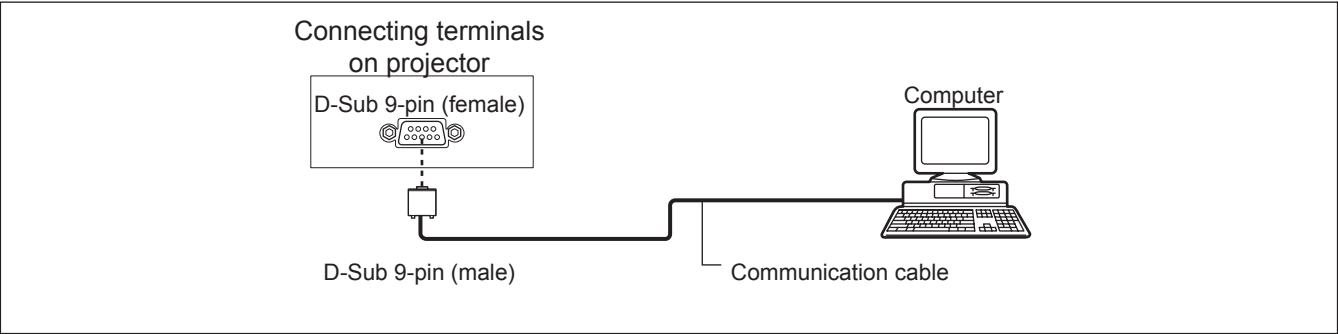


Serial Control

Serial terminal

The serial connector which is on the connector panel of the projector conforms to the RS-232C interface specification, so that the projector can be controlled by a personal computer which is connected to this connector.

■ Connection



■ Pin assignments and signal names

D-Sub 9-pin (female) Outside view	Pin No.	Signal name	Contents
	①	—	NC
	②	TXD	Transmitted data
	③	RXD	Received data
	④	—	NC
	⑤	GND	Earth
	⑥	—	NC
	⑦	CTS	Connected internally
	⑧	RTS	
	⑨	—	NC

■ Communication conditions

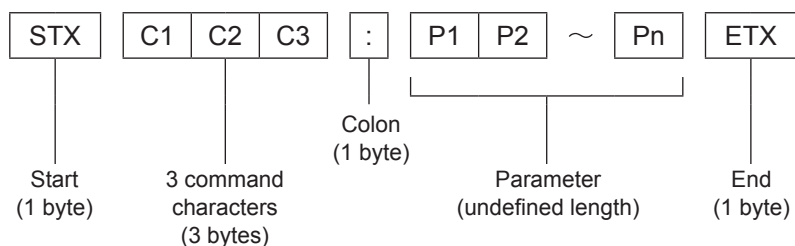
Signal level	RS-232C-compliant	Character length	8 bits
Sync. method	Asynchronous	Stop bit	1 bit
Baud rate	19 200 bps	X parameter	None
Parity	None	S parameter	None

Note

- When [AMX D. D.] function is set to [On] under the [Network] menu, the Baud rate will change to 9 600 bps automatically.

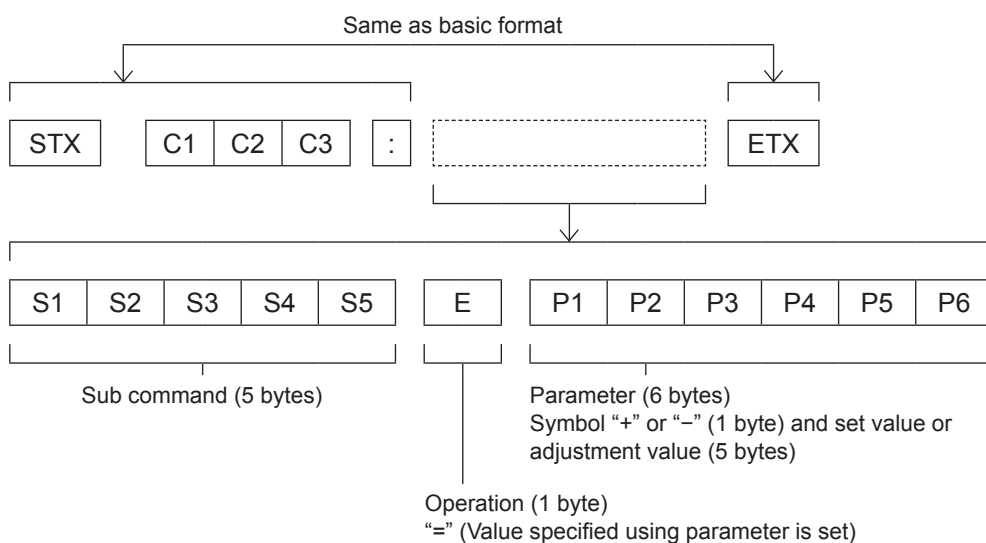
Basic format

Transmission from the computer begins with STX, then the command, parameter, and ETX are sent in this order. Add parameters according to the details of control.



*: When sending commands without parameters, a colon (:) is not necessary.

Basic format (with sub command)



*: When transmitting a command which does not need a parameter, the operation (E) and parameter are not necessary.

■ Cable specifications

[When connected to a computer]

Projector	1	NC	NC	1	Computer (DTE specifications)
	2			2	
	3			3	
	4	NC	NC	4	
	5			5	
	6	NC	NC	6	
	7			7	
	8			8	
	9	NC	NC	9	

■ Control commands

When controlling the projector from a computer, the following commands are available:

[Projector control command]

Command	Control contents	Remarks
PON	Power [ON]	
POF	Power [OFF]	
IIS	INPUT selection	(Parameter) VID = Video SVD = S-video RG1 = Computer 1(RGB) RG2 = Computer 2(RGB) HD1 = HDMI SCT = Computer 1(Scart)
OSH	AV mute function	Turning off the projection and sound temporarily. Sending the command switches [ON]/[OFF]. Do not switch ON/OFF in a short period of time.
OFZ	Freeze	Sending the command switches [ON]/[OFF].
AUU	Volume up	
AUD	Volume down	
DZU	D. ZOOM up	
DZD	D. ZOOM down	
QPW	Power query	000 = Standby 001 = Power on
Q\$S	Lamp condition query	(Call back) 0 = Stand-by 1 = Lamp ON control active 2 = Lamp ON 3 = Lamp OFF control active

Control Port Functions

Scaler I/O port functions (PW190)

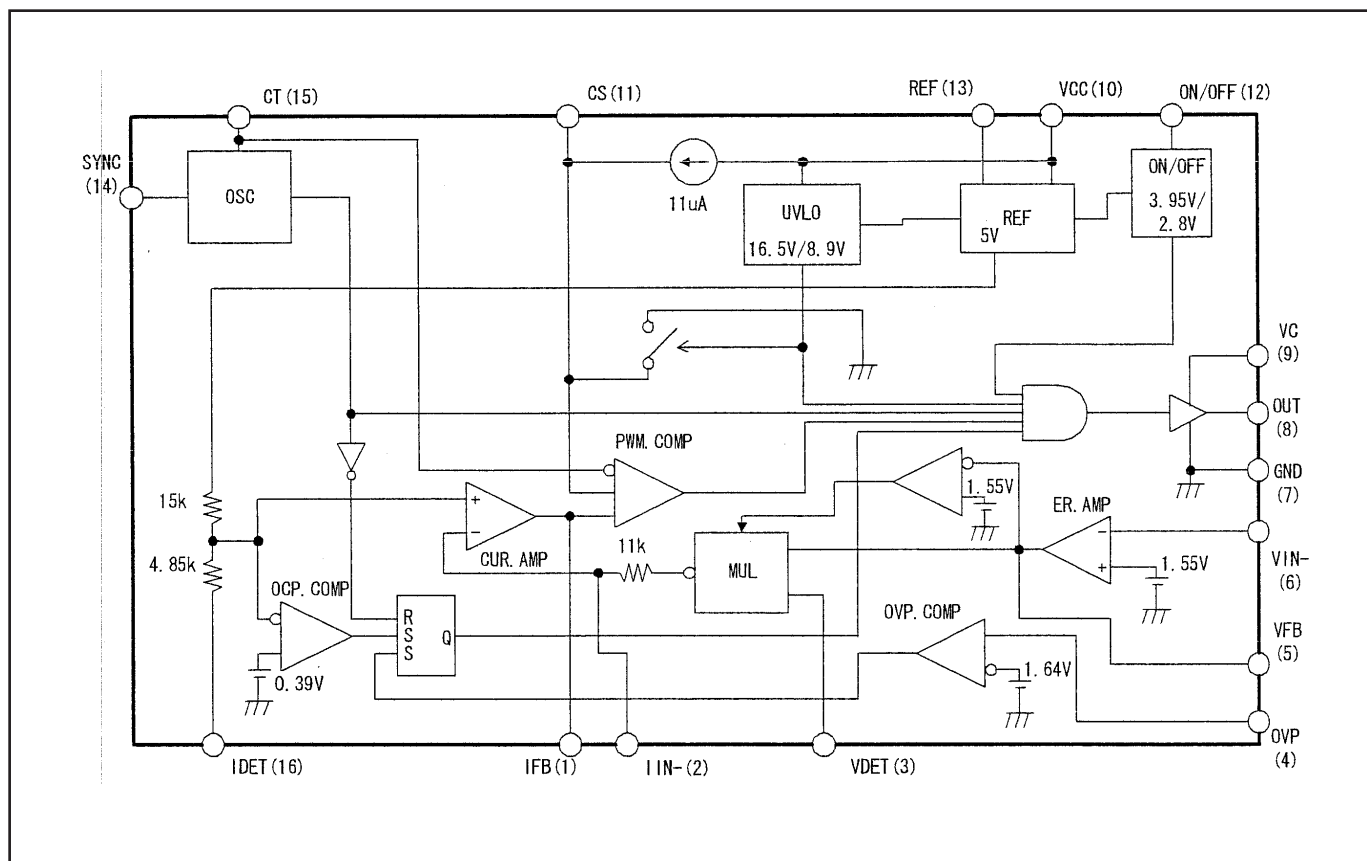
PIN NO.	PORT NO.	SIGNAL NAME	DESCRIPTION	I/O
1	A1	PW_LAMP_ID_C	Lamp ID control	O
11	A11	PW_MASTER_SCK	SUB CPU Communication	O
101	B2	PW_LAMP_ID_B	Lamp ID control	O
110	B11	PW_MASTER_SDI	SUB CPU Communication	O
111	B12	FAN_SW3	High=Exhaust Fan ON	O
124	B25	TXD_PW	UART, Serial port	O
99	C1	SIOUTR[3]		O
201	C11	PW_MASTER_SDO	SUB CPU Communication	O
202	C12	SIRST	9127 Reset	O
208	C18	SDA2	GAMMA	O
211	C21	SCL1	EEPROM	O
212	C22	SDA0	Sensor/Sil9127/M62334	O
28	C26	KEY1	Input/Select/Keystone	I
98	D1	SIOUTR[6]		-
191	D2	SIOUTR[4]		-
276	D3	SIOUTR[1]		O
278	D5	SIHS and SIAHS	9127 HS (SIAHS Only)	O
285	D12	POWER_KEY	Power key detect	O
290	D17	SCL2	GAMMA	O
293	D20	SCL0	Sensor/Sil9127/M62334	O
294	D21	SDA1	EEPROM	O
296	D23	PC1_L_OFF	High=PC1_L_OFF	I
215	D24	P-FAIL	Power Fail Detect	I
126	D25	KEY2	Menu/P-up/P-down/P-left/p-right	I
29	D26	FAN_FAIL2	Fan fail detect	I
97	E1	SIOUTG[0]		O
190	E2	SIOUTR[7]		O
275	E3	SIOUTR[5]		O
352	E4	SIOUTR[2]		O
353	E5	SIOUTR[0]		O
362	E14	PC1_L_OFF	High=PC1_L_OFF	O
363	E15	ON_1.6.5V		O
368	E20	RXD_PW	UART, Serial port	I
127	E25	DLVD	DAY LIGHT VOLOTAGE DECT	I
370	E22	FAN_FAIL	Fan fail detect	I
96	F1	SIOUTG[4]		O
420	F5	SIOUTG[2]		O
189	F2	SIOUTG[1]		I
95	G1	SIOUTG[7]		-
188	G2	SIOUTG[5]		I
273	G3	SIOUTG[3]		O
419	G5	SIOUTG[6]		O
94	H1	SIOUTB[1]		O
187	H2	SIOUTB[0]		O
349	H4	SIOUTB[4]		O
418	H5	SIOUTB[6]		O
373	H22	FAN_CONT_E	FAN SPEED CONTROL	O
348	J4	SIOUTB[2]		I
271	J3	SIOUTB[3]		O
186	J2	SIOUTB[5]		O
93	J1	SIOUTB[7]		I
92	K1	MIC_OFF	Mic ON/OFF SW	-
185	K2	IRIS_STAT	IRIS CONTROL	-
347	K4	SIDEN	9127 Enable	I
91	L1	FAN_SW2	High=Lamp Fan ON	-
184	L2	PW_LAMP_ID_A	lamp ID control	I
269	L3	AUDIO_SEL1	High=LAN audio,Low=HDMI audio	I
345	L4	IRIS_STB	IRIS CONTROL	-
90	M1	XRESET		O

Control port functions

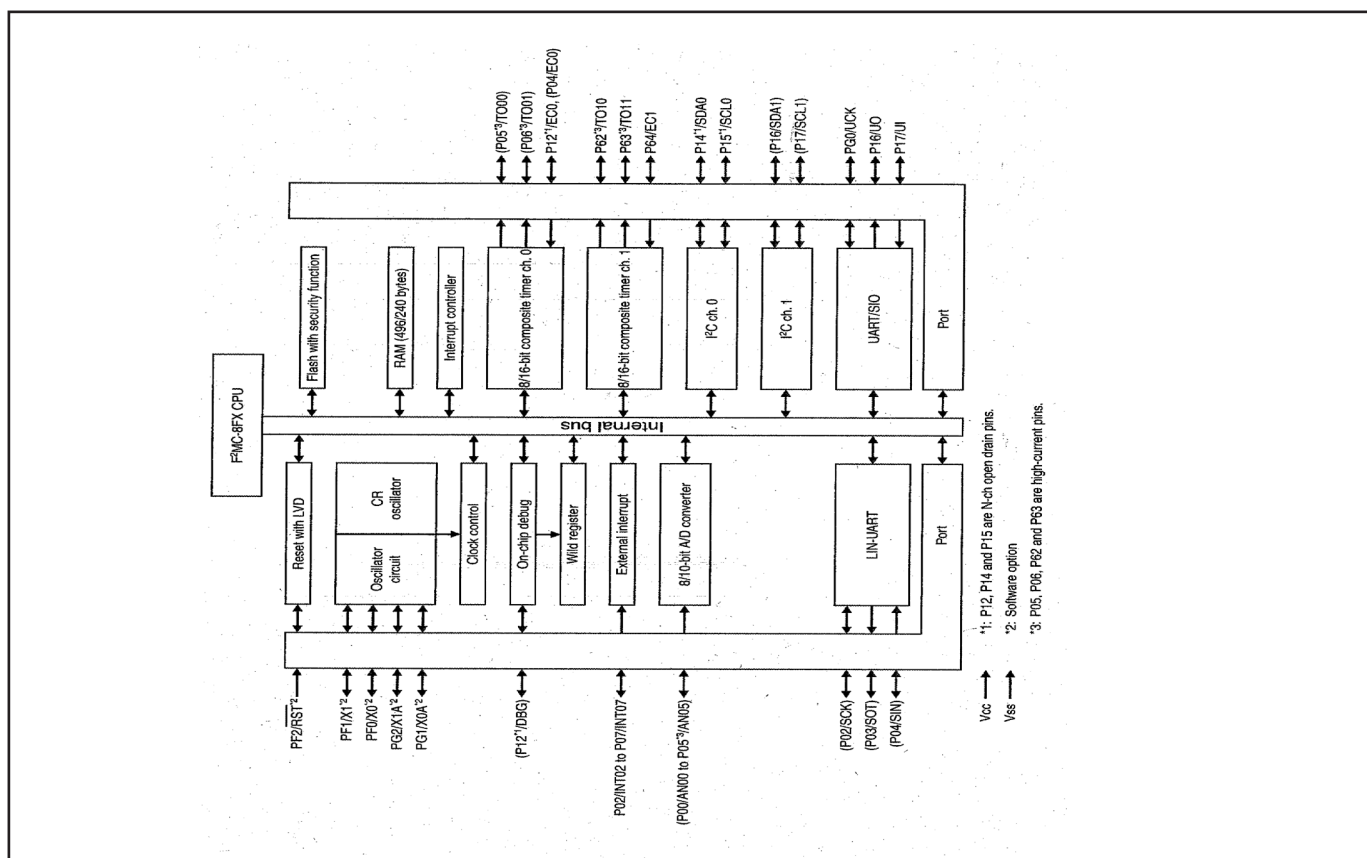
PIN NO.	PORT NO.	SIGNAL NAME	DESCRIPTION	I/O
183	M2	XSTDBYEN		O
268	M3	FAN_SW1	High=Panel & PBS Fan ON	-
345	M4	SCS_SUB	SUB CPU enable	-
474	N6	SDA3	MIC	O
89	N1	LAMP_DC_ON	High=Lamp power ON	O
182	N2	SCL3	MIC	O
267	N3	RST_GAM	Low=3551&3828 reset	O
344	N4	MUTE	Mute_ON : H	O
413	N5	MONIT_OUT	Low=in, High=Monit OUT	O
110	B11	PW_MASTER_SDI	SUB CPU Communication	O
296	D23	PW_CEC_A	SIL9127	I
369	E21	S3.3VD_PW		I
30	E26	FAN_CONT_B	FAN A CONTROL	O
128	F25	FAN_CONT_C	FAN B CONTROL	O
298	F23	FAN_ERR_B	Lamp&Power fan fail detect	I
329	AC9	A[22]	A[22]	O
249	AD10	SIEVNODD	Even or Odd field detect	I
160	AE12	A[20]	A[20]	O
65	AF12	A[21]	A[21]	O
242	AD17	XINT	TE7783 INTERRUPT	I
154	AE18	SIINT	SiI9127 INTERRUPT	I
214	C24	R/C_PW	R/C RECEIVER	I

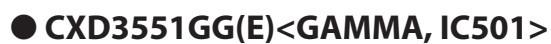
IC Block Diagrams

● FA5502M <P.F. control, IC682>



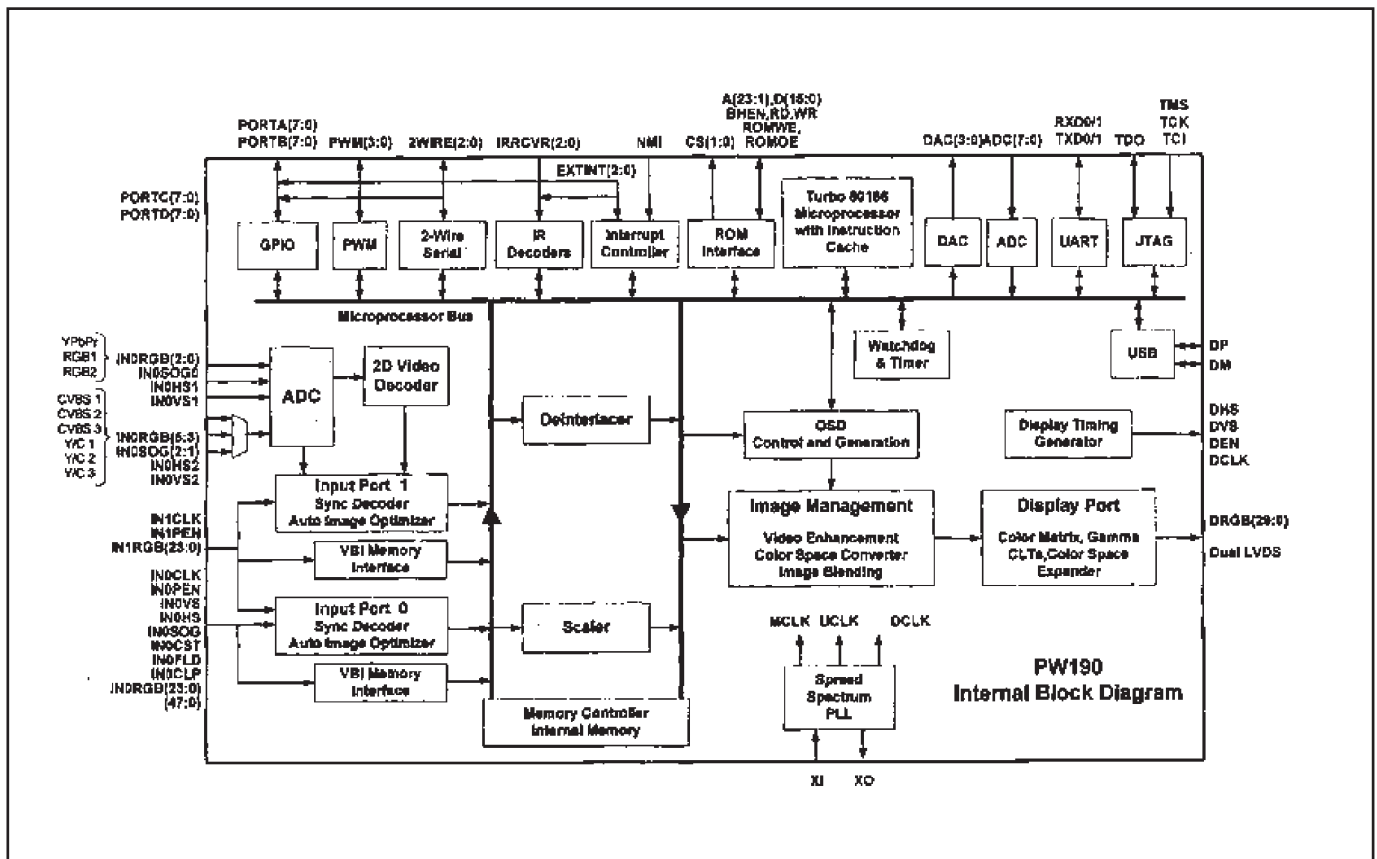
● MB95F353EPFT <Sub CPU, IC9885>



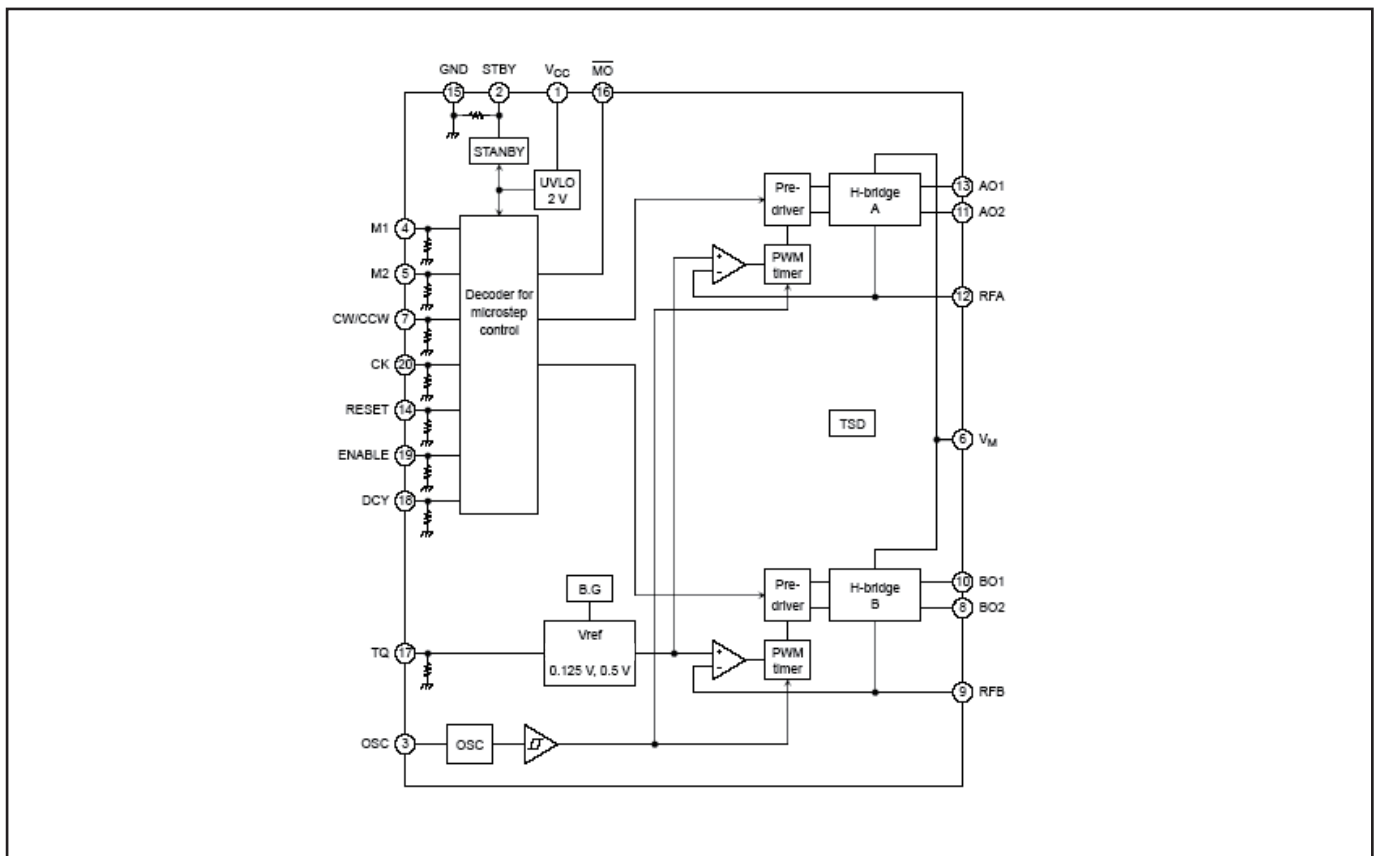




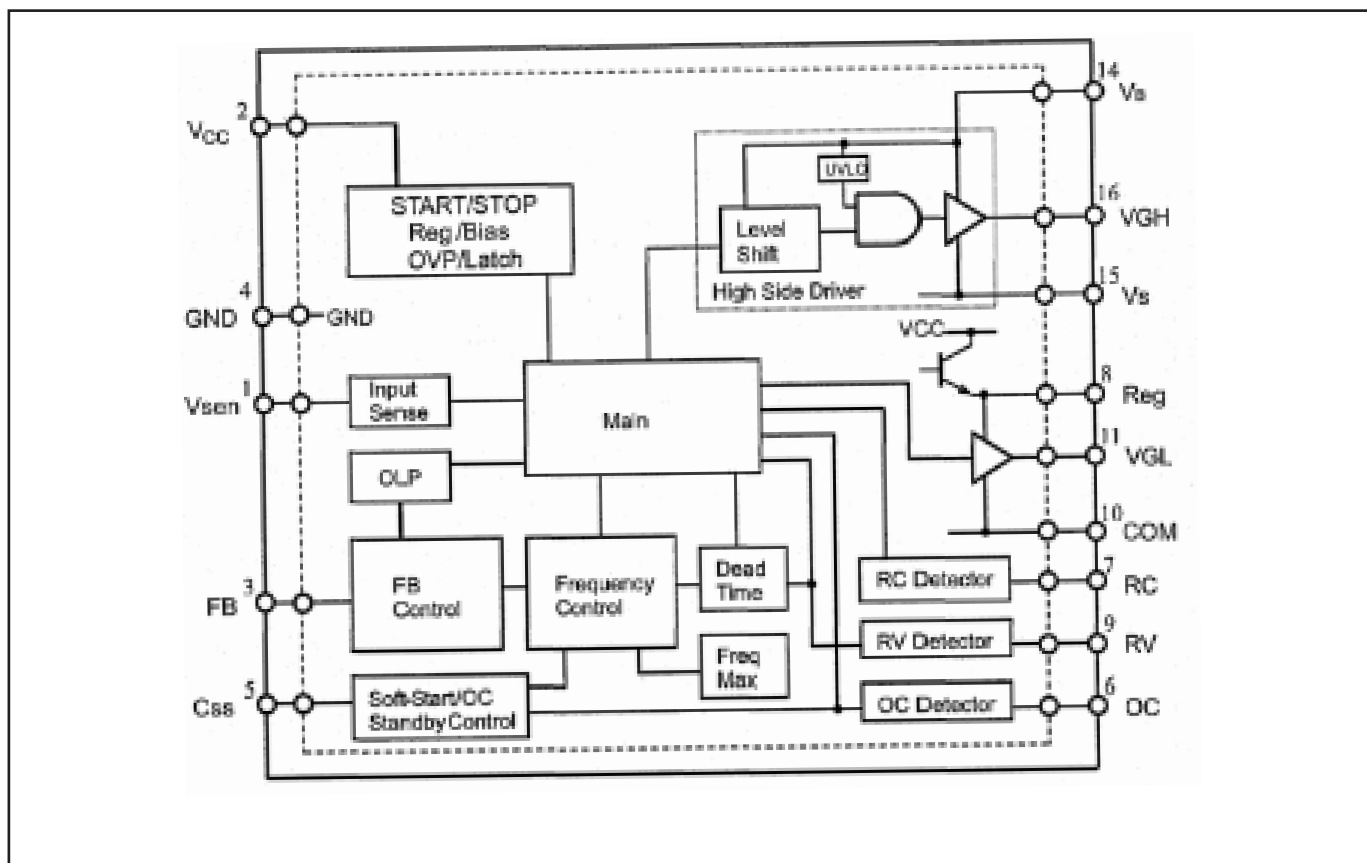
● PW190 <Scaler, IC301>



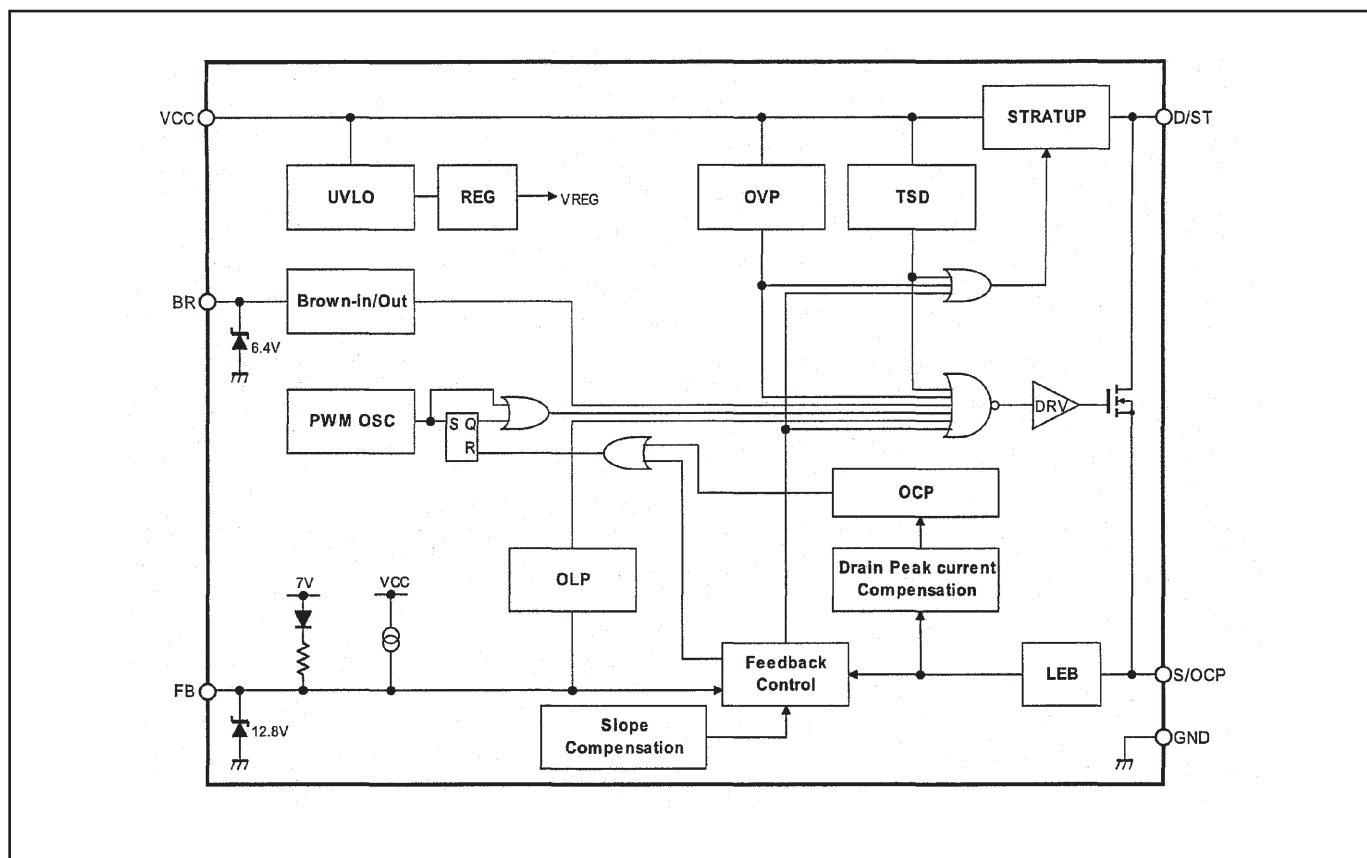
● TB6608FNG <IRIS Driver, IC601>



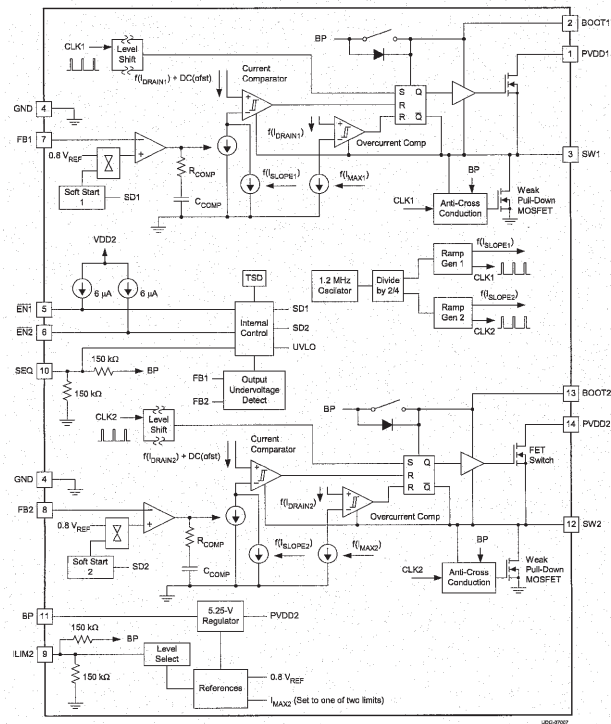
● SSC9512S <Power Switching, IC604>



● STR-A6079 <Power switching, IC603>




● TPS54286 <DC-DC converter, IC7811>



Exploded Views Parts List

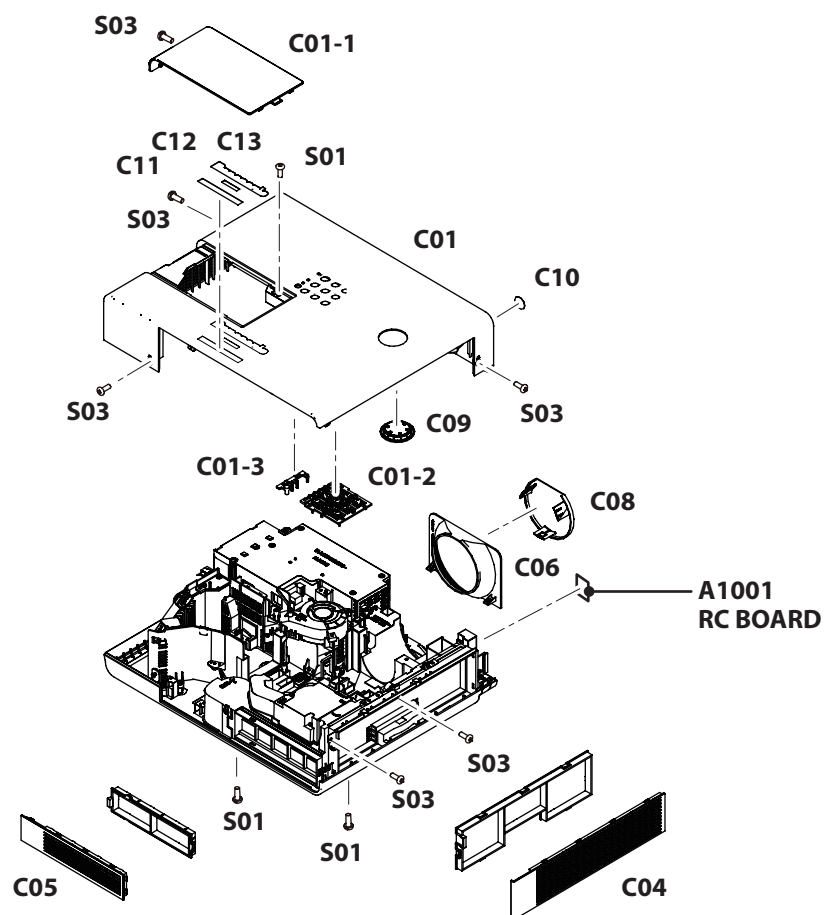
Models	PT-VX505NU
	PT-VX505NE
	PT-VX505NEA
	PT-VW435NU
	PT-VW435NE
	PT-VW435NEA

Important Safety Notice

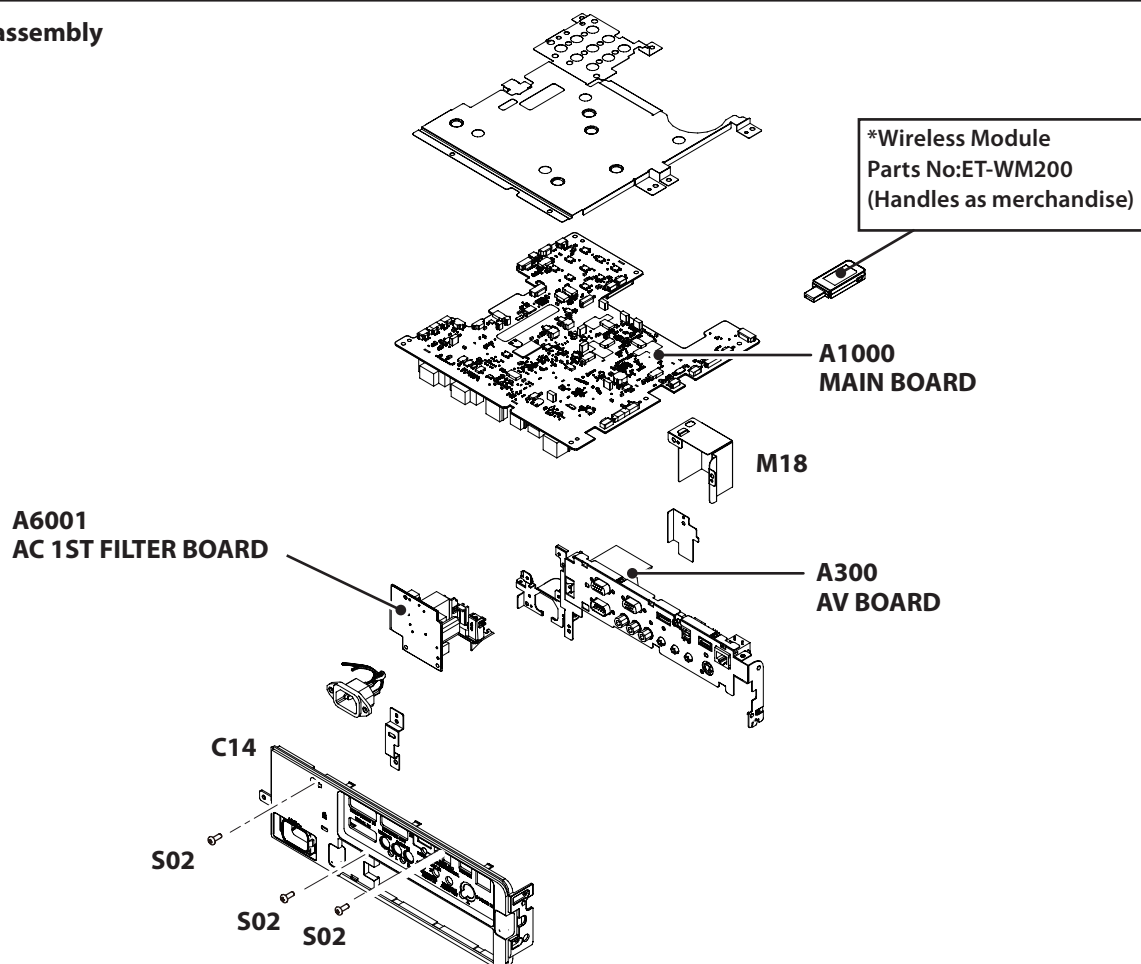
Components identified by the International symbol  have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified parts.

Before ordering the service parts, confirm the parts number with the Ref. No in the parts list and the exploded view.

Cabinet top assembly

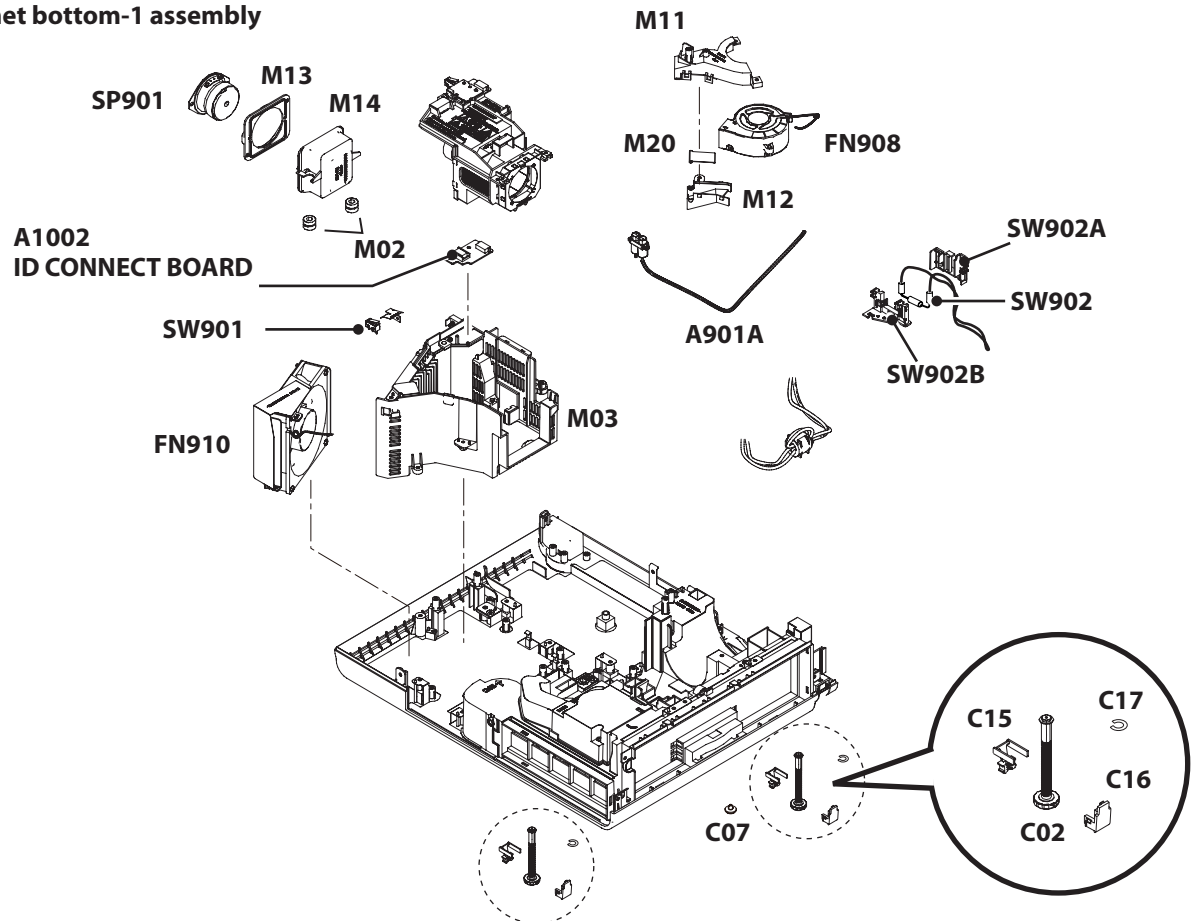


Main and A/V assembly

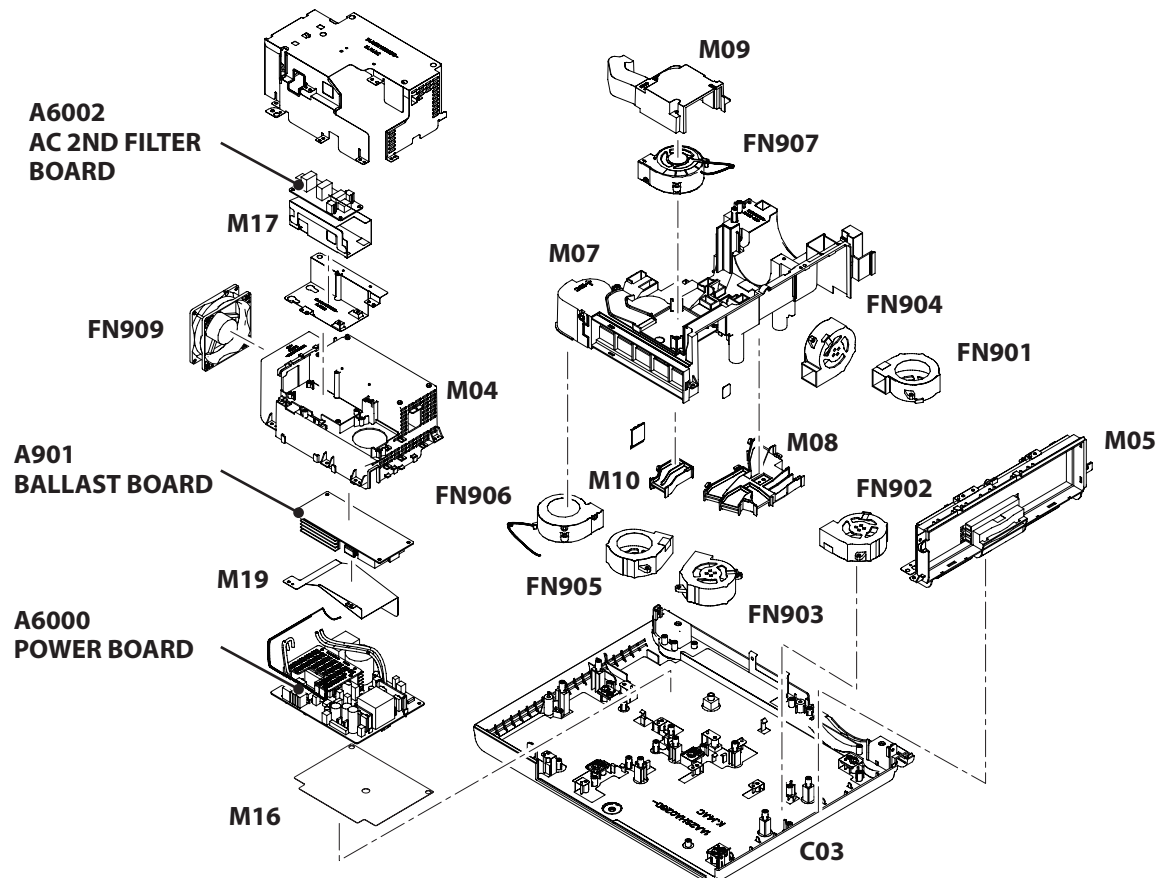


Exploded Views

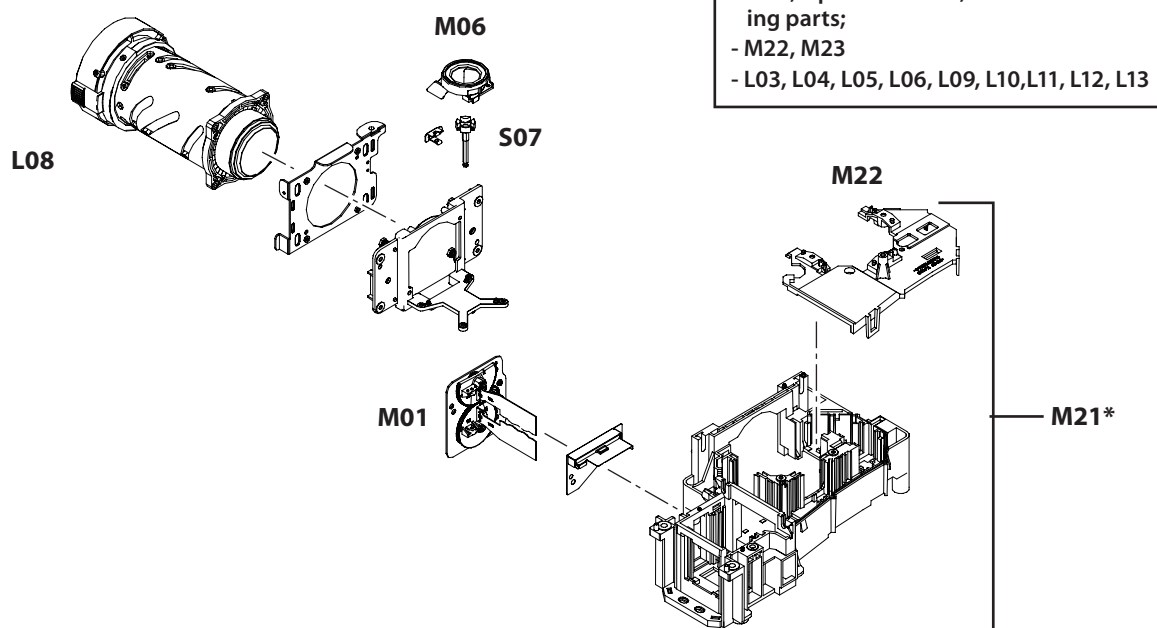
Cabinet bottom-1 assembly



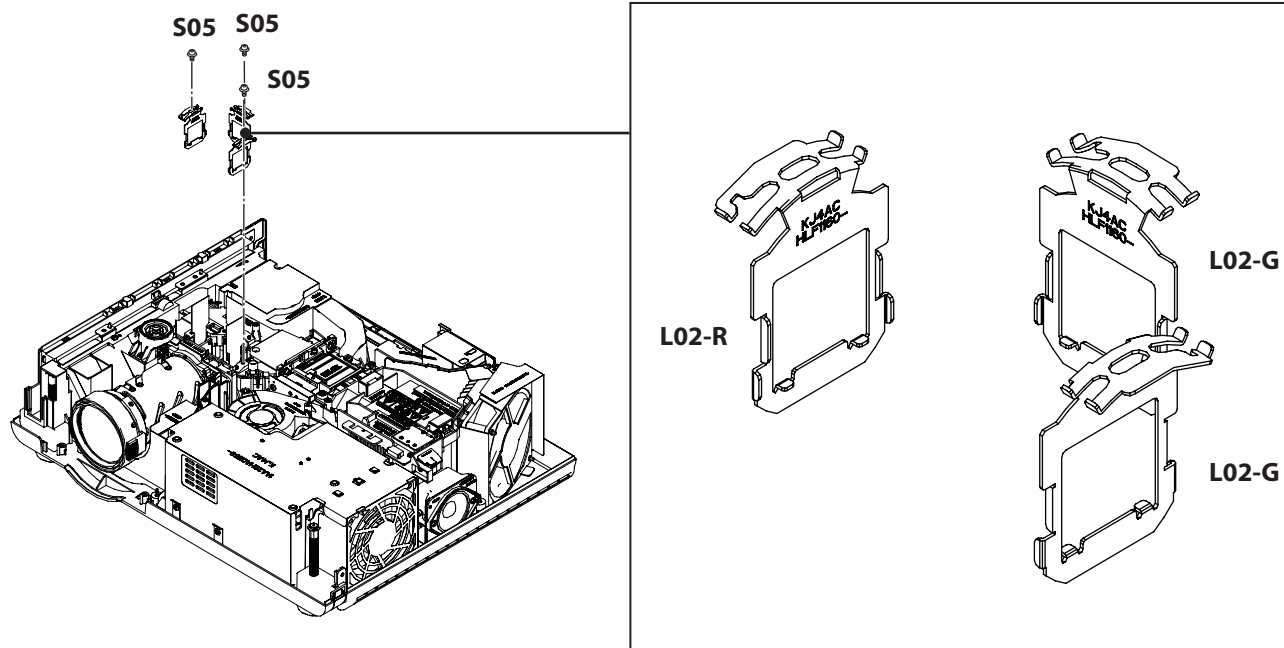
Cabinet bottom-2 assembly



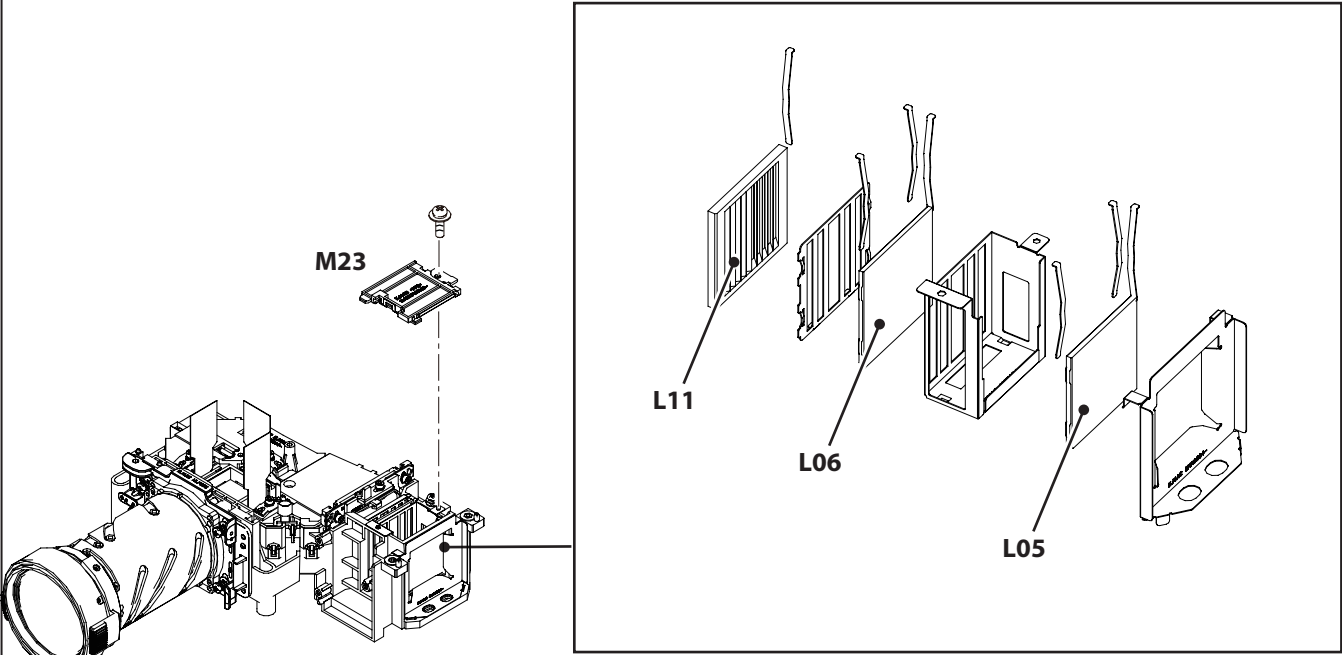
Projection lens and iris assembly



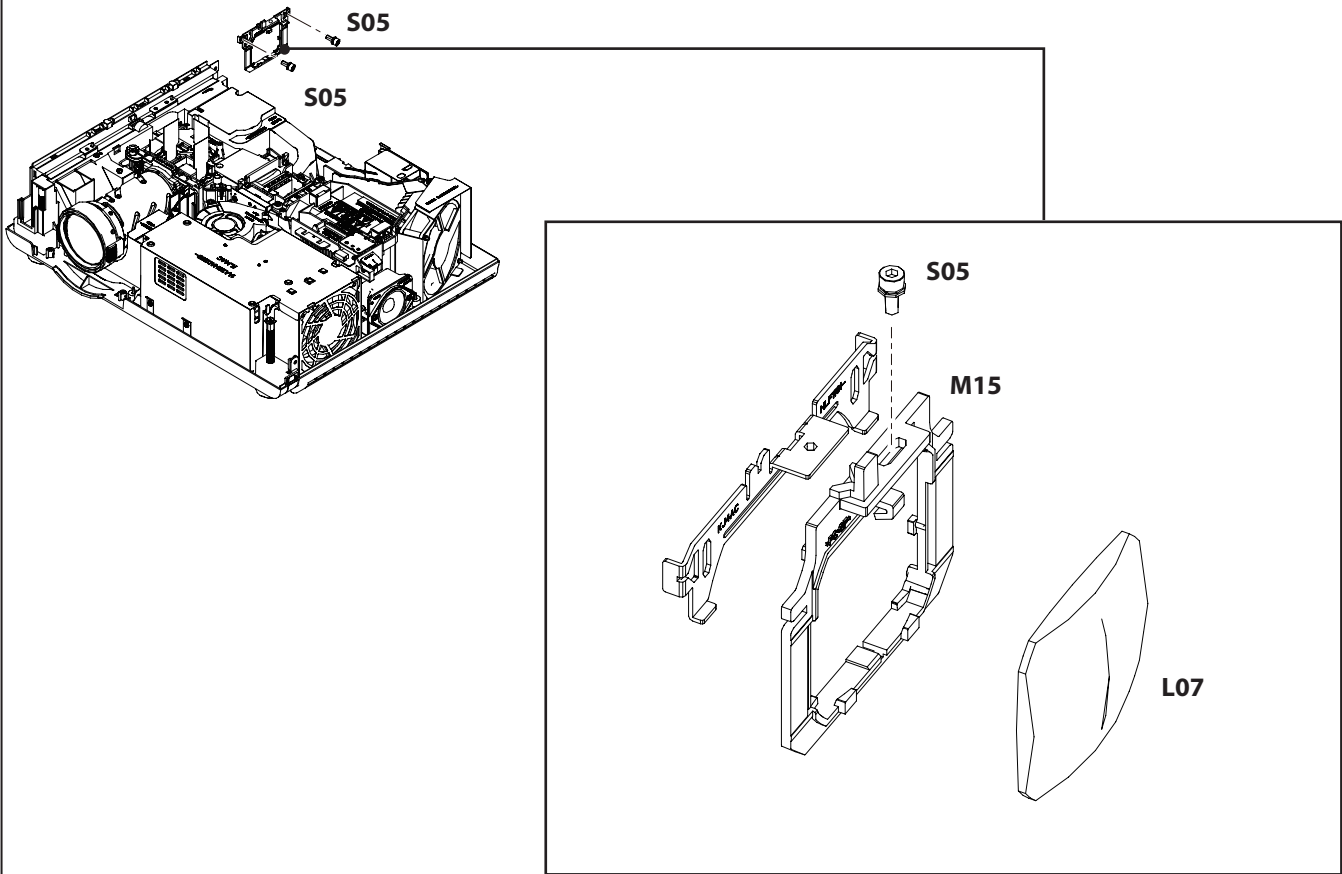
Polarized glass(IN)



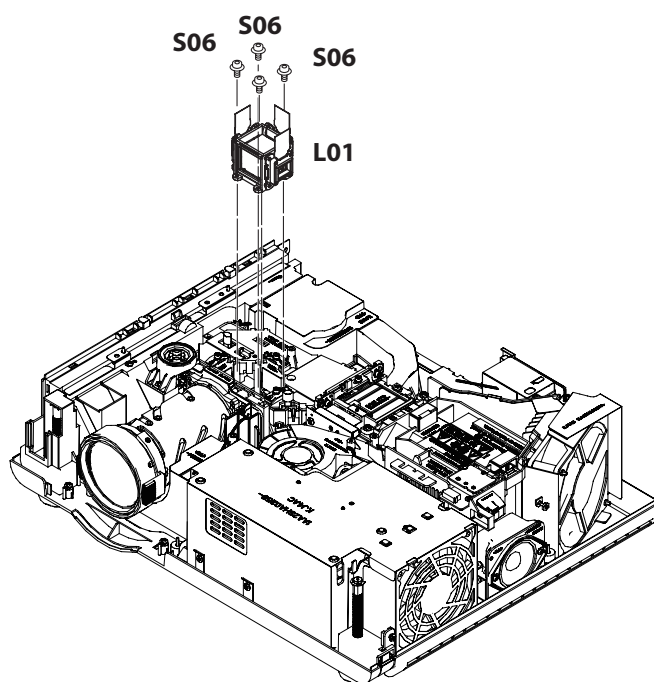
Integrator lens / PBS assembly



Condenser lens (OUT) assembly

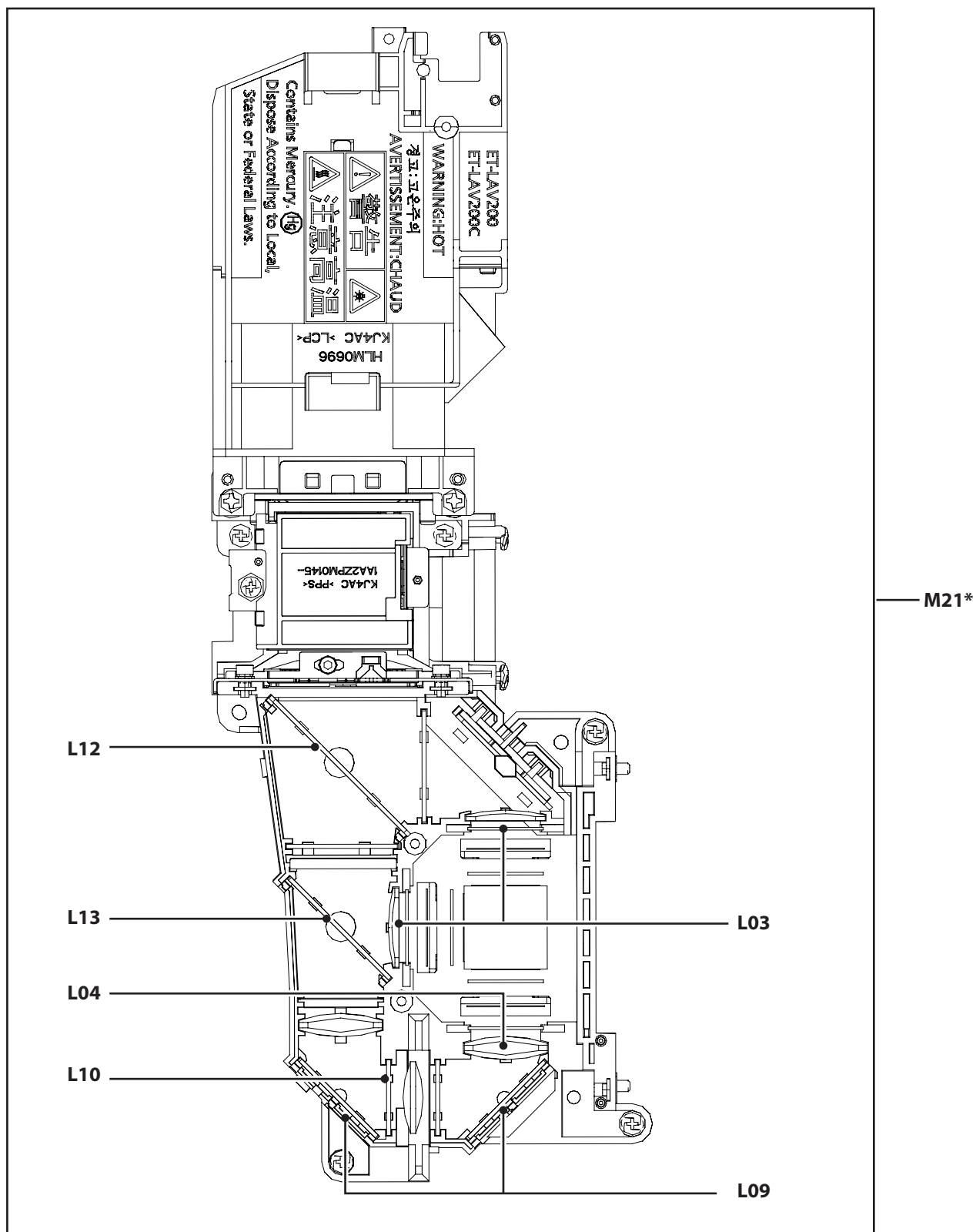


LCD Panel/Prism assembly



Exploded Views

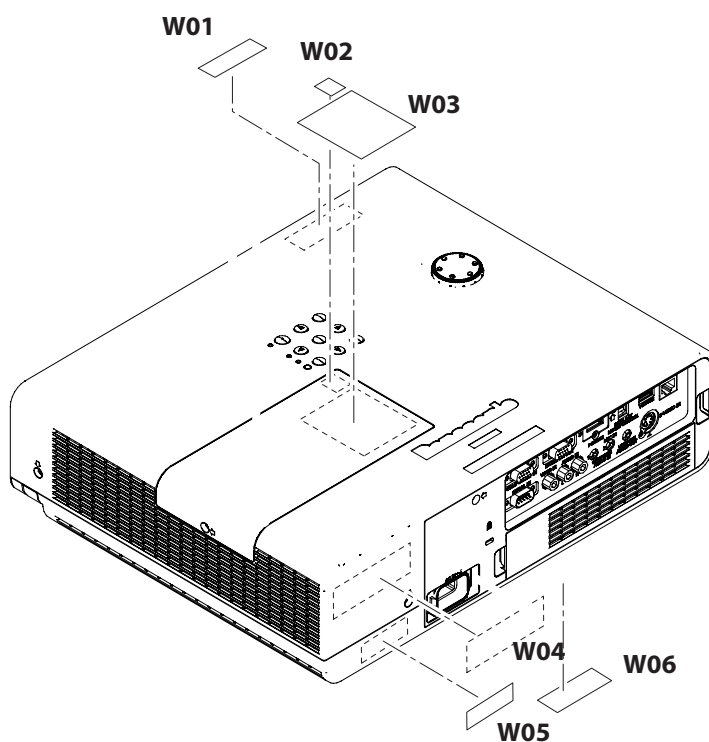
● In the optical unit



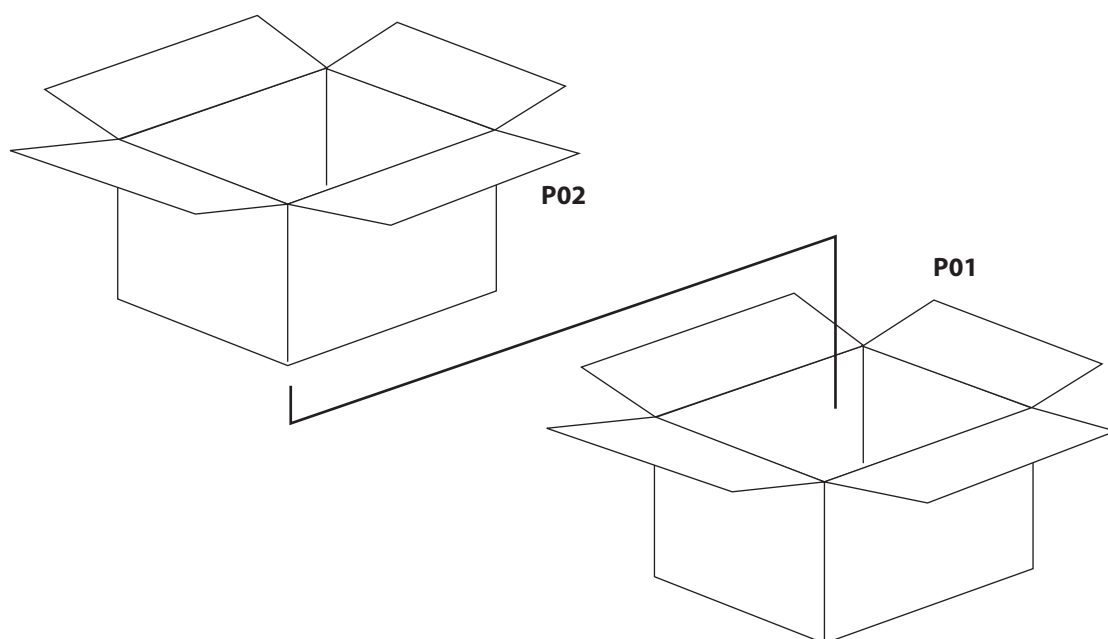
CAUTION:

Part must be placed in specified direction when replacing the optical parts. Please see "Optical Parts Disassembly" for further instructions.

Labels


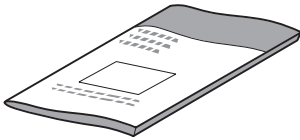
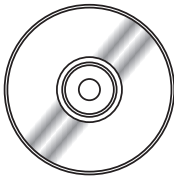
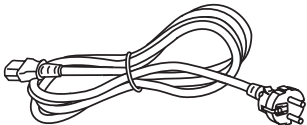
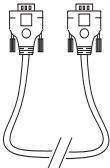
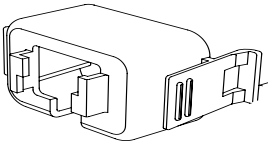
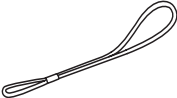
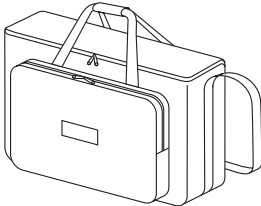


Packing



Exploded Views

● Accessories (see accessories parts list)

REMOTE CONTROL	MANUALs	CD-ROMs
		
Power cord(x1)		RGB signal CABLE
		
AC power cord holder	String	Soft carrying
		

Mechanical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
PACKING MATERIALS							
	6103601861	CARRY BAG-KJ4AC		C02	6103594323	ASSY,ADJ-KJ4AC	
P01	6103596891	CARTON CASE-KZ4AC	VX505NU	△ C03	6103615516	CABINET BTM_KJ4AC	
P01	6103601762	CARTON CASE-LZ4AC	VX505NE	C04	6103594255	COVER_FLT_L-KA4AC	
P01	6103601762	CARTON CASE-LZ4AC	VX505NEJ	C05	6103594262	COVER_FLT_B-KA4AC	
P01	6103601786	CARTON CASE-LZ4SC	VX505NEA	C06	6103594279	COVER LNS-KJ4AC	
P01	6103601786	CARTON CASE-LZ4SC	VX505NEAJ	C07	6103468495	DEC LEG-KA8AL	
P01	6103596891	CARTON CASE-KZ4AC	VW435NU	C08	6103594361	DEC LNS-KJ4AC	
P01	6103597096	CARTON CASE-PA2AC	VW435NE	△ C09	6103594378	DEC DIAL-KJ4AC	
P01	6103597096	CARTON CASE-PA2AC	VW435NEJ	C10	6103577692	DEC SHEET RC-KE4AC	
P01	6103597102	CARTON CASE-PA2SC	VW435NEA	C11	6103601892	DEC SHEET RESOLUTION_KZ4AC	
P01	6103597102	CARTON CASE-PA2SC	VW435NEAJ			VX505NU,NE,NEJ,NEA,NEAJ	
P02	6103596983	CARTON CASE OUT-KZ4AC	VX505NU	C11	6103602936	DEC SHEET RESOLUTION_MA2AC	
P02	6103601779	CARTON CASE OUT-LZ4DC	VX505NEJ			VW435NU,NE,NEJ,NEA,NEAJ	
P02	6103601793	CARTON CASE OUT-LZ4CC	VX505NEAJ	C12	6103602899	DEC SHEET MODEL NUMBER_KZ4AC	
P02	6103596983	CARTON CASE OUT-KZ4AC	VW435NU			VX505NU,NE,NEJ,NEA,NEAJ	
P02	6103597157	CARTON CASE OUT-PA2DC	VW435NEJ	C12	6103602905	DEC SHEET MODEL NUMBER_MA2AC	
P02	6103597164	CARTON CASE OUT-PA2CC	VW435NEAJ			VW435NU,NE,NEJ,NEA,NEAJ	
	6103611792	POLY BAG-0530X0700*NC		C13	6103616629	DEC SHEET BRAND_KJ4AC	
	6103614700	POLY BAG-0580*0510		△ C14	6103602196	PANEL AV-KZ4AC	
	6103594972	CASE ACC-KJ4AC		C15	6103594781	ADJ_CORE-KJ4AC	
	6103594989	CUSHION LEFT-KJ4AC		C16	6103594798	ADJ_BUTTON-KJ4AC	
	6103594996	CUSHION RIGHT-KJ4AC		C17	4110010300	RING E 5	
LABEL				CHASSIS PARTS			
△ W01	6103601120	LBL,CAUTION LNS 5-KW4AC		△ M01	6103594316	ACTIVE-IRIS-KJ4AC	
△ W02	6103612089	LABEL CAUTION UV-KV4A		M02	6103519845	DAMPER,BUSH-KG8AC	
△ W03	6103612355	LBL,LMP U275W HI-HG-GL S5-KJ4A		△ M03	6103594491	HOLDER LMP HOUSE-KJ4AC	
△ W04	6103612058	LABEL,CAUTION HOT 5-KV4A		M04	6103594521	HOLDER_POW_KJ4AC	
△ W05	6103601014	LABEL CAUTION EARTH 3-KW4AC		M05	6103594538	HOLDER_FLT_HOUSE_KJ4AC	
		VX505NE,NEJ,NEA,NEAJ/V		M06	6103599854	HOLDER DIAL-KJ4AC	
		W435NE,NEJ,NEA,NEAJ		M07	6103618548	MTG DUCT PNL TOP A SRV-KJ4AC	
△ W06	6103609089	LABEL,CAUTION FCC-KZ4AC		M08	6103618562	MTG DUCT PNL BTM SRV-KJ4AC	
		X505NU,VW435NU		M09	6103618579	MTG DCT PBS SRV-KJ4AC	
ACCESSORIES				M10	6103618586	MTG DCT PBS B SRV-KJ4AC	
△	6103580425	COMPL, VGA CABLE-KC2JC		M11	6103594675	MTG DUCT LMP TOP-KJ4AC	
△	6103581217	COMPL AC CORD KE4AC		M12	6103594682	MTG DUCT LMP BTM-KJ4AC	
		VX505NU,VW435NU		M13	6103594699	MTG_SPK_A_KJ4AC	
△	6103580203	COMPL, AC CORD-LC2JC		M14	6103594705	MTG_SPK_B_KJ4AC	
		VX505NE,NEJ,NEA,NEAJ/		△ M15	6103594736	MTG COND OUT-KJ4AC	
		VW435NE,NEJ,NEA,NEAJ		M16	6103594590	SPACER SHEET POWER B-KJ4AC	
△	6103580210	COMPL, AC CORD-LC2LC		M17	6103599816	SPACER SHEET FLT B-KJ4AC	
		VX505NEA,NEAJ/VW435NEA,NEAJ		M18	6103599830	SPACER SHEET FLT A-KJ4AC	
	6103430249	STRAP CAP-KT7AC		M19	6103607436	SPC BST-KJ4AC	
	6103589404	CD-ROM,OWNERS MANUAL-KZ4AC		M20	6103599755	GUIDE AIR FLAP-KJ4AC	
△	6550052315	SETUP INST-KZ4AC		△ M21*	6103618081	ASSY.OPT ENG-KJ4AC	
		VX505NU,VW435NU				VX505NU,NE,NEJ,NEA,NEAJ	
△	6550052322	SETUP INST-LZ4AC	VX505NE,NEJ/ VW435NE,NEJ	△ M21*	6103618098	ASSY.OPT ENG-KK4AC	
						VW435NU,NE,NEJ,NEA,NEAJ	
△	6550052339	SETUP INST-LZ4SC		△ M22	6103594910	OPT BASE TOP-KJ4AC	
		VX505NEA,NEAJ/VW435NEA,NEAJ		△ M23	6103594927	OPT BASE TOP INT PBS-KJ4AC	
△	6550059536	SETUP INST MANUAL WM-KZ4AC		* M21, Optical Bottom, consists of following parts;			
△	6451056016	REMOCON,MXEV		- M22, M23			
MECHANICAL PARTS				- L03, L04, L05, L06, L09, L10,L11, L12, L13			
CABINET PARTS				SCREWS			
△ C01	6103596730	CAB TOP SERV-KJ4AC		S01	4111798801	SCR S-TPG BIN 3X10	
△ C01-1	6103596723	ASSY COVER LMP-KJ4AC		S02	4111608001	SCR S-TPG PAN 3X6	
C01-2	6103594286	BUTN CONTROL-KJ4AC		S03	4110319304	SCR BIN 3X8	
C01-3	6103594354	DEC INLAY LED-KJ4AC		S04	4120779105	SPECIAL SCREW	
				S05	4120778108	SPECIAL SCREW-2.5X6	
				S06	4120811409	SPECIAL SCREW M2.5X7.8 HE	
				S07	4120811607	SPECIAL SCREW M4.0 X 9.0	
				OPTICAL PARTS			
				L01	6103596747	ASSY,PNL/PSM-KJ4AC	
						VX505NU,NE,NEJ,NEA,NEAJ	
				L01	6103598918	ASSY,PNL/PSM-KK4AC	
						VW435NU,NE,NEJ,NEA,NEAJ	

Mechanical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
L02-R	6103596754	ASSY,POL R IN-KJ4AC					
L02-G	6103596761	ASSY,POL G IN-KJ4AC					
L02-B	6103596778	ASSY,POL B IN-KJ4AC					
L03	6450964657	LENS,CONDENSER(G)					
L04	6450990571	LENS,RELAY(IN)					
L05	6451053107	LENS,INTEGRATOR(IN) VX505NU,NE,NEJ,NEA,NEAJ					
L05	6451053213	LENS,INTEGRATOR(IN) VW435NU,NE,NEJ,NEA,NEAJ					
L06	6451053114	LENS,INTEGRATOR(OUT) VX505NU,NE,NEJ,NEA,NEAJ					
L06	6451053220	LENS,INTEGRATOR(OUT) VW435NU,NE,NEJ,NEA,NEAJ					
L07	6451053138	LENS,CONDENSER(OUT)					
L08	6451053206	LENS,PROJECTION					
L09	6451053176	MIRROR(R)					
L10	6451053534	OPTICAL FILTER(IR)					
L11	6451053237	PRISM(PBS)					
L12	6451053145	DICHROIC MIRROR (B)					
L13	6451053152	DICHROIC MIRROR (G)					

Product safety should be considered when a component replacement is made in any area of a projector.
Components indicated by a Δ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR	CERAMIC	100P	K	50V	
					Rated Voltage
					Tolerance Symbols:
					Less than 10pF
					A : Not specified B : $\pm 0.1\text{pF}$ C : $\pm 0.25\text{pF}$
					D : $\pm 0.5\text{pF}$ E : $\pm 0.1\text{pF}$ F : $\pm 1\text{PF}$
					G : $\pm 2\text{pF}$ H : $\pm 0.1 -0\text{pF}$ L : $\pm 0 -0.1\text{pF}$
					R : $\pm 0.25 -0\text{pF}$ S : $\pm 0 -0.25\text{pF}$
					More than 10pF
					A : Not specified B : $\pm 0.1\%$ C : $\pm 0.25\%$
					D : $\pm 0.5\%$ F : $\pm 1\%$ G : $\pm 2\%$
					H : $\pm 3\%$ J : $\pm 5\%$ K : $\pm 10\%$
					L : $\pm 15\%$ M : $\pm 20\%$ N : $\pm 30\%$
					P : $\pm 100-0\%$ Q : $\pm 30-10\%$ T : $\pm 50-10\%$
					U : $\pm 75-10\%$ V : $\pm 20-10\%$ W : $\pm 100-10\%$
					X : $\pm 40-20\%$ Y : $\pm 150-10\%$ Z : $\pm 80-20\%$
					Rated value: P=pico farad, U=micro farad
					Material:
					CERAMIC..... Ceramic
					MT-PAPER..... Metallized Paper
					POLYESTER..... Polyester
					MT-POLYEST.....Metallized Polyester
					POLYPRO..... Polypropylene
					MT-POLYPRO.....Metallized Polypropylene
					COMPO FILM..... Composite film
					MT-COMPO.....Metallized Composite
					STYRENE..... Styrene
					TA-SOLID..... Tantalum Oxide Solid Electrolytic
					AL-SOLID..... Aluminium Solid Electrolytic
					ELECT..... Aluminum Foil Electrolytic
					NP-ELECT.....Non-polarised Electrolytic
					OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic
					POS-SOLID..... Polymerized Organic Semiconductive
					DL-ELECT..... Double Layered Electrolytic
					PPS-FILM.....Polyphenylene Sulfide Film
					MT-PPS-FILM.....Metalized Polyphenylene Sulfide Film
					MT-PEN-FILM.....Metalized Polyethylenenaphthalate Film
					CAPACITOR.....Other

RESISTOR	CARBON	4.7K	J	A	1/4W	
						Rated Wattage
						Performance Symbols:
						A: General B: Non flammable Z: Low noise
						Other: Temperature coefficient
						T: $\pm 10\text{ppm}/^{\circ}\text{C}$ U: $\pm 25\text{ppm}/^{\circ}\text{C}$ C: $\pm 50\text{ppm}/^{\circ}\text{C}$
						D: $\pm 100\text{ppm}/^{\circ}\text{C}$ E: $\pm 200\text{ppm}/^{\circ}\text{C}$ F: $\pm 250\text{ppm}/^{\circ}\text{C}$
						G: $\pm 350\text{ppm}/^{\circ}\text{C}$ H: $\pm 1000\text{ppm}/^{\circ}\text{C}\pm 10\%$ W: $\pm 1200\text{ppm}/^{\circ}\text{C}\pm 10\%$
						Y: $\pm 1400\text{ppm}/^{\circ}\text{C}\pm 10\%$ J: $\pm 2000\text{ppm}/^{\circ}\text{C}\pm 10\%$ K: $\pm 2400\text{ppm}/^{\circ}\text{C}\pm 10\%$
						L: $\pm 2700\text{ppm}/^{\circ}\text{C}\pm 10\%$ M: $\pm 3000\text{ppm}/^{\circ}\text{C}\pm 10\%$ N: $\pm 3300\text{ppm}/^{\circ}\text{C}\pm 10\%$
						P: $\pm 3600\text{ppm}/^{\circ}\text{C}\pm 10\%$ Q: $\pm 3900\text{ppm}/^{\circ}\text{C}\pm 10\%$ R: $\pm 4200\text{ppm}/^{\circ}\text{C}\pm 10\%$
						S: $\pm 4300\text{ppm}/^{\circ}\text{C}\pm 10\%$ V: $\pm 4500\text{ppm}/^{\circ}\text{C}\pm 10\%$ X: $\pm 8000\text{ppm}/^{\circ}\text{C}\pm 10\%$
						Tolerance Symbols:
						A: $\pm 0.05\%$ B: $\pm 0.1\%$ C: $\pm 0.25\%$ D: $\pm 0.5\%$
						F: $\pm 1\%$ G: $\pm 2\%$ J: $\pm 5\%$ K: $\pm 10\%$
						M: $\pm 20\%$ P: $\pm 5-15\%$ Z: 0 ohm
						Rated value, ohms:
						K: 1,000, M: 1,000,000
						Material:
						CARBON..... Carbon
						MT-FILM..... Metal Film
						OXIDE-MT..... Oxide Metal Film
						SOLID..... Composition
						MT-GLAZE..... Metal Glaze
						WIRE WOUND...Wire Wound
						CERAMIC RES.. Ceramic
						FUSIBLE RES....Fusible
						RESISTOROther

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
ASSEMBLED BOARDS				C1055	3032946110	CERAMIC 100P J 50V	
△ A1000	6550053565	ASSY,PWB,MAIN KZ4AC VX505NU,NE,NEJ,NEA,NEAJ		C1056	3034540019	CERAMIC 68P J 50V	
△ A1000	6550058591	ASSY,PWB,MAIN MA2AC VW435NU,NE,NEJ,NEA,NEAJ		C1061	3034374614	CERAMIC 10U K 25V	
△ A1001	6550053572	ASSY,PWB ,RC KZ4AC		C1092	3033583215	CERAMIC 10U K 6.3V	
△ A1002	6550053589	ASSY,PWB ,ID CONNECT KZ4AC		C1103	3034093426	CERAMIC 0.1U K 16V	
△ AA200	6550053121	ASSY, PWB, AV KJ4CC		C1105	3034093426	CERAMIC 0.1U K 16V	
△ A6000	6550051486	ASSY,PWB,POWER KJ4AC		C1331	3032761911	CERAMIC 22P J 50V	
△ A6001	6550051493	ASSY,PWB,AC SECOND FILTER KJ4A		C1332	3033092519	CERAMIC 27P J 50V	
△ A6002	6550053008	ASSY, PWB, AC FIRST FILTER KJ4		C1371	3034093426	CERAMIC 0.1U K 16V	
OUT OF CIRCUIT BOARDS				C1807	3034093426	CERAMIC 0.1U K 16V	
△ A901	6451053626	UNIT,BALLAST		C1808	3034093426	CERAMIC 0.1U K 16V	
△ A901A	6103602295	CABLE,BALLAST KJ4AC		C1811	3034093426	CERAMIC 0.1U K 16V	
△ FN901	6451056030	MOTOR,BLW DC 3.0W		C1812	3034093426	CERAMIC 0.1U K 16V	
△ FN902	6451056047	MOTOR,BLW DC 3.0W		C1814	3032762819	CERAMIC 18P J 50V	
△ FN903	6451056047	MOTOR,BLW DC 3.0W		C1816	3032762819	CERAMIC 18P J 50V	
△ FN904	6451056047	MOTOR,BLW DC 3.0W		C1817	3034093426	CERAMIC 0.1U K 16V	
△ FN905	6451039941	MOTOR,BLW DC 3.0W		C1818	3034093426	CERAMIC 0.1U K 16V	
△ FN906	6451056184	MOTOR,BLW DC ***W		C1819	3034093426	CERAMIC 0.1U K 16V	
△ FN907	6451056184	MOTOR,BLW DC ***W		C1821	3034093426	CERAMIC 0.1U K 16V	
△ FN908	6451056184	MOTOR,BLW DC ***W		C1822	3034093426	CERAMIC 0.1U K 16V	
△ FN909	6103618593	MOTOR FN COMP SRV-KJ4AC		C1823	3034093426	CERAMIC 0.1U K 16V	
△ FN910	6451056061	MOTOR,FAN DC ***W		C1824	3034093426	CERAMIC 0.1U K 16V	
K10A1	3120730406	SPECIAL SCREW		C1825	3034093426	CERAMIC 0.1U K 16V	
K10A2	3120730406	SPECIAL SCREW		C1826	3034507012	CERAMIC 47U K 10V	
K10B1	3120730406	SPECIAL SCREW		C1827	3034093426	CERAMIC 0.1U K 16V	
K10B2	3120730406	SPECIAL SCREW		C1828	3034507012	CERAMIC 47U K 10V	
K20A1	3120730406	SPECIAL SCREW		C1829	3034093426	CERAMIC 0.1U K 16V	
K20A2	3120730406	SPECIAL SCREW		C1831	3034093426	CERAMIC 0.1U K 16V	
SP901	6520037656	SPEAKER,8		C1832	3034093426	CERAMIC 0.1U K 16V	
SW901	9450560751	SWITCH,MICRO 1P-2T		C1837	3034507012	CERAMIC 47U K 10V	
SW902A	6103594507	HOLDER_SENSOR_TOP_KJ4AC		C1871	4034551012	CERAMIC 1U K 10V	
SW902B	6103594514	HOLDER_SENSOR_BTM_KJ4AC		C2001	3033583215	CERAMIC 10U K 6.3V	
Z6A&6B(SW902)				C2002	3033983312	ELECT 47U M 10V	
	6520037755	ASSY,WIRE		C2003	3033583215	CERAMIC 10U K 6.3V	
Z6A&6BA				C2008	3033983312	ELECT 47U M 10V	
	9450033835	CORE,FERRITE		C2891	3034093426	CERAMIC 0.1U K 16V	
A1000 6550053565 ASSY,PWB,MAIN KZ4AC For VX505N series				C2892	3033058812	CERAMIC 47P J 50V	
A1000 6550058591 ASSY,PWB,MAIN MA2AC For VW435N series				C301	3034093426	CERAMIC 0.1U K 16V	
C1002	3034374614	CERAMIC 10U K 25V		C302	3033583215	CERAMIC 10U K 6.3V	
C1004	3034093426	CERAMIC 0.1U K 16V		C303	3032825118	CERAMIC 470P K 50V	
C1006	3034093426	CERAMIC 0.1U K 16V		C304	3034093426	CERAMIC 0.1U K 16V	
C1007	3034093426	CERAMIC 0.1U K 16V		C305	4034551012	CERAMIC 1U K 10V	
C1008	3034093426	CERAMIC 0.1U K 16V		C306	3034093426	CERAMIC 0.1U K 16V	
C1009	3034093426	CERAMIC 0.1U K 16V		C307	3032825118	CERAMIC 470P K 50V	
C1011	3034420519	CERAMIC 0.068U K 16V		C308	3034093426	CERAMIC 0.1U K 16V	
C1012	3034093426	CERAMIC 0.1U K 16V		C309	3034093426	CERAMIC 0.1U K 16V	
C1014	3034420519	CERAMIC 0.068U K 16V		C310	3033583215	CERAMIC 10U K 6.3V	
C1016	3034420519	CERAMIC 0.068U K 16V		C311	3032825118	CERAMIC 470P K 50V	
C1017	3034420519	CERAMIC 0.068U K 16V		C312	3034093426	CERAMIC 0.1U K 16V	
C1018	3034420519	CERAMIC 0.068U K 16V		C313	3034093426	CERAMIC 0.1U K 16V	
C1019	3034093426	CERAMIC 0.1U K 16V		C314	3032825118	CERAMIC 470P K 50V	
C1021	3033827814	CERAMIC 2.2U K 10V		C315	3033583215	CERAMIC 10U K 6.3V	
C1041	3034093426	CERAMIC 0.1U K 16V		C316	3034093426	CERAMIC 0.1U K 16V	
C1049	3034093426	CERAMIC 0.1U K 16V		C317	3034093426	CERAMIC 0.1U K 16V	
C1054	3032946110	CERAMIC 100P J 50V		C318	3034093426	CERAMIC 0.1U K 16V	
				C319	3032825118	CERAMIC 470P K 50V	
				C320	3033583215	CERAMIC 10U K 6.3V	
				C321	3034093426	CERAMIC 0.1U K 16V	
				C322	3034093426	CERAMIC 0.1U K 16V	
				C323	3032825118	CERAMIC 470P K 50V	
				C324	3034093426	CERAMIC 0.1U K 16V	
				C325	4034551616	CERAMIC 10U K 16V	
				C326	3034093426	CERAMIC 0.1U K 16V	
				C327	3034093426	CERAMIC 0.1U K 16V	
				C328	3034093426	CERAMIC 0.1U K 16V	
				C329	3032825118	CERAMIC 470P K 50V	
				C330	4034572512	CERAMIC 0.47U K 10V	
				C331	3034093426	CERAMIC 0.1U K 16V	
				C332	3032825118	CERAMIC 470P K 50V	
				C333	3034093426	CERAMIC 0.1U K 16V	
				C334	3034093426	CERAMIC 0.1U K 16V	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
C335	3034093426	CERAMIC 0.1U K 16V		C3807	3034093426	CERAMIC 0.1U K 16V	
C336	3032825118	CERAMIC 470P K 50V		C3808	3034093426	CERAMIC 0.1U K 16V	
C337	3034093426	CERAMIC 0.1U K 16V		C3809	3034093426	CERAMIC 0.1U K 16V	
C338	3034093426	CERAMIC 0.1U K 16V		C381	3034093426	CERAMIC 0.1U K 16V	
C339	3034093426	CERAMIC 0.1U K 16V		C382	3034093426	CERAMIC 0.1U K 16V	
C341	3034093426	CERAMIC 0.1U K 16V		C383	3032825118	CERAMIC 470P K 50V	
C342	3034093426	CERAMIC 0.1U K 16V		C384	3032825118	CERAMIC 470P K 50V	
C343	3034093426	CERAMIC 0.1U K 16V		C385	3032825118	CERAMIC 470P K 50V	
C344	3034093426	CERAMIC 0.1U K 16V		C3857	3033583215	CERAMIC 10U K 6.3V	
C346	3034093426	CERAMIC 0.1U K 16V		C3858	3034093426	CERAMIC 0.1U K 16V	
C347	3034093426	CERAMIC 0.1U K 16V		C386	3034093426	CERAMIC 0.1U K 16V	
C348	3034093426	CERAMIC 0.1U K 16V		C389	4034551012	CERAMIC 1U K 10V	
C351	3034093426	CERAMIC 0.1U K 16V		C400	3033925015	CERAMIC 22U M 6.3V	
C352	3034093426	CERAMIC 0.1U K 16V		C4001	3033827814	CERAMIC 2.2U K 10V	
C353	3034093426	CERAMIC 0.1U K 16V		C4002	3034093426	CERAMIC 0.1U K 16V	
C354	3034093426	CERAMIC 0.1U K 16V		C4003	3034093426	CERAMIC 0.1U K 16V	
C355	3034093426	CERAMIC 0.1U K 16V		C4004	3033827814	CERAMIC 2.2U K 10V	
C356	3034093426	CERAMIC 0.1U K 16V		C401	3034093426	CERAMIC 0.1U K 16V	
C357	3034093426	CERAMIC 0.1U K 16V		C402	3034093426	CERAMIC 0.1U K 16V	
C358	3034093426	CERAMIC 0.1U K 16V		C403	3034093426	CERAMIC 0.1U K 16V	
C361	4034551012	CERAMIC 1U K 10V		C404	3034093426	CERAMIC 0.1U K 16V	
C362	4034551012	CERAMIC 1U K 10V		C405	3034093426	CERAMIC 0.1U K 16V	
C3621	4034551616	CERAMIC 10U K 16V		C406	3034093426	CERAMIC 0.1U K 16V	
C3622	4034551616	CERAMIC 10U K 16V		C407	3032761317	CERAMIC 1000P K 50V	
C3623	4034551616	CERAMIC 10U K 16V		C408	3032761317	CERAMIC 1000P K 50V	
C3624	4034551616	CERAMIC 10U K 16V		C409	3034093426	CERAMIC 0.1U K 16V	
C3625	4034551616	CERAMIC 10U K 16V		C410	3034093426	CERAMIC 0.1U K 16V	
C3626	4034551616	CERAMIC 10U K 16V		C411	3034093426	CERAMIC 0.1U K 16V	
C3627	4034551616	CERAMIC 10U K 16V		C412	3034093426	CERAMIC 0.1U K 16V	
C3628	4034551616	CERAMIC 10U K 16V		C413	3034093426	CERAMIC 0.1U K 16V	
C3629	4034551616	CERAMIC 10U K 16V		C414	3034093426	CERAMIC 0.1U K 16V	
C363	4034551012	CERAMIC 1U K 10V		C415	3032761317	CERAMIC 1000P K 50V	
C3630	4034551616	CERAMIC 10U K 16V		C416	3032761317	CERAMIC 1000P K 50V	
C3631	3034093426	CERAMIC 0.1U K 16V		C417	3034093426	CERAMIC 0.1U K 16V	
C3632	4034572512	CERAMIC 0.47U K 10V		C418	3034093426	CERAMIC 0.1U K 16V	
C3633	4034551616	CERAMIC 10U K 16V		C419	3034093426	CERAMIC 0.1U K 16V	
C3634	4034551616	CERAMIC 10U K 16V		C420	3032761317	CERAMIC 1000P K 50V	
C3636	3034093426	CERAMIC 0.1U K 16V		C421	3032761317	CERAMIC 1000P K 50V	
C3637	4034572512	CERAMIC 0.47U K 10V		C422	3034093426	CERAMIC 0.1U K 16V	
C3638	4034551616	CERAMIC 10U K 16V		C423	3034093426	CERAMIC 0.1U K 16V	
C3639	4034551616	CERAMIC 10U K 16V		C424	3034093426	CERAMIC 0.1U K 16V	
C364	3034540613	CERAMIC 10000P K 50V		C425	3032761317	CERAMIC 1000P K 50V	
C3641	3034093426	CERAMIC 0.1U K 16V		C426	3032761317	CERAMIC 1000P K 50V	
C3642	4034572512	CERAMIC 0.47U K 10V		C427	3034093426	CERAMIC 0.1U K 16V	
C3643	4034551616	CERAMIC 10U K 16V		C428	3032761317	CERAMIC 1000P K 50V	
C3644	4034551616	CERAMIC 10U K 16V		C429	3033145314	CERAMIC 5P C 50V	
C3646	3034093426	CERAMIC 0.1U K 16V		C430	4041290901	ELECT 100U M 6.3V	
C3647	3034093426	CERAMIC 0.1U K 16V		C431	3032796210	CERAMIC 10P J 50V	
C3648	4034572512	CERAMIC 0.47U K 10V		C432	3032796210	CERAMIC 10P J 50V	
C3649	4034551616	CERAMIC 10U K 16V		C433	3033835215	CERAMIC 4.7U K 6.3V	
C365	3034420519	CERAMIC 0.068U K 16V		C434	3033835215	CERAMIC 4.7U K 6.3V	
C3650	4034551616	CERAMIC 10U K 16V		C435	3033835215	CERAMIC 4.7U K 6.3V	
C3651	3034093426	CERAMIC 0.1U K 16V		C436	3033835215	CERAMIC 4.7U K 6.3V	
C366	3034093426	CERAMIC 0.1U K 16V		C437	3033835215	CERAMIC 4.7U K 6.3V	
C367	3034093426	CERAMIC 0.1U K 16V		C438	3033835215	CERAMIC 4.7U K 6.3V	
C368	3034093426	CERAMIC 0.1U K 16V		C439	3033835215	CERAMIC 4.7U K 6.3V	
C369	3034093426	CERAMIC 0.1U K 16V		C440	3033835215	CERAMIC 4.7U K 6.3V	
C370	3034093426	CERAMIC 0.1U K 16V		C441	3033835215	CERAMIC 4.7U K 6.3V	
C371	3034093426	CERAMIC 0.1U K 16V		C442	3033835215	CERAMIC 4.7U K 6.3V	
C372	4034572512	CERAMIC 0.47U K 10V		C443	3033835215	CERAMIC 4.7U K 6.3V	
C373	4034572512	CERAMIC 0.47U K 10V		C444	3033835215	CERAMIC 4.7U K 6.3V	
C374	4034572512	CERAMIC 0.47U K 10V		C445	3033835215	CERAMIC 4.7U K 6.3V	
C377	3034093426	CERAMIC 0.1U K 16V		C446	3033835215	CERAMIC 4.7U K 6.3V	
C378	3034093426	CERAMIC 0.1U K 16V		C447	3033766212	CERAMIC 0.22U K 10V	
C379	3034093426	CERAMIC 0.1U K 16V		C448	3033766212	CERAMIC 0.22U K 10V	
C380	3034093426	CERAMIC 0.1U K 16V		C449	3033766212	CERAMIC 0.22U K 10V	
C3801	4034551012	CERAMIC 1U K 10V		C450	3033727510	CERAMIC 2.2U K 6.3V	
C3802	4034551012	CERAMIC 1U K 10V		C451	3033835215	CERAMIC 4.7U K 6.3V	
C3803	4034551012	CERAMIC 1U K 10V		C452	4034670911	CERAMIC 0.1U K 25V	
C3804	4034551012	CERAMIC 1U K 10V		C453	3033727510	CERAMIC 2.2U K 6.3V	
C3806	4034551012	CERAMIC 1U K 10V		C454	4034670911	CERAMIC 0.1U K 25V	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
C455	4034670911	CERAMIC 0.1U K 25V		C524	3034093426	CERAMIC 0.1U K 16V	
C456	4034670911	CERAMIC 0.1U K 25V		C525	3034093426	CERAMIC 0.1U K 16V	
C457	4034670911	CERAMIC 0.1U K 25V		C526	3034093426	CERAMIC 0.1U K 16V	
C458	4034670911	CERAMIC 0.1U K 25V		C527	3034093426	CERAMIC 0.1U K 16V	
C459	4034670911	CERAMIC 0.1U K 25V		C528	3034093426	CERAMIC 0.1U K 16V	
C460	4034670911	CERAMIC 0.1U K 25V		C529	3034093426	CERAMIC 0.1U K 16V	
C461	4034670911	CERAMIC 0.1U K 25V		C530	3034093426	CERAMIC 0.1U K 16V	
C462	4034670911	CERAMIC 0.1U K 25V		C5304	3034419810	CERAMIC 0.01U K 50V	
C463	4034670911	CERAMIC 0.1U K 25V		C531	3034093426	CERAMIC 0.1U K 16V	
C464	4034670911	CERAMIC 0.1U K 25V		C5315	3034093426	CERAMIC 0.1U K 16V	
C465	4034670911	CERAMIC 0.1U K 25V		C5316	3034420519	CERAMIC 0.068U K 16V	
C466	4034670911	CERAMIC 0.1U K 25V		C532	3034093426	CERAMIC 0.1U K 16V	
C467	3033925015	CERAMIC 22U M 6.3V		C533	3034093426	CERAMIC 0.1U K 16V	
C468	3034374614	CERAMIC 10U K 25V		C5332	3034093426	CERAMIC 0.1U K 16V	
C469	4034670911	CERAMIC 0.1U K 25V		C534	3034093426	CERAMIC 0.1U K 16V	
C470	3034374614	CERAMIC 10U K 25V		C535	3034093426	CERAMIC 0.1U K 16V	
C471	4034670911	CERAMIC 0.1U K 25V		C536	3034093426	CERAMIC 0.1U K 16V	
C472	4034551616	CERAMIC 10U K 16V		C537	3032761317	CERAMIC 1000P K 50V	
C473	4034551616	CERAMIC 10U K 16V		C538	3034093426	CERAMIC 0.1U K 16V	
C474	3032796210	CERAMIC 10P J 50V		C539	3034093426	CERAMIC 0.1U K 16V	
C476	4034551012	CERAMIC 1U K 10V		C540	3034093426	CERAMIC 0.1U K 16V	
C477	3032795114	CERAMIC 3300P K 50V		C541	3034093426	CERAMIC 0.1U K 16V	
C478	3034093426	CERAMIC 0.1U K 16V		C542	3034093426	CERAMIC 0.1U K 16V	
C479	3033925015	CERAMIC 22U M 6.3V		C543	3034093426	CERAMIC 0.1U K 16V	
C480	3033925015	CERAMIC 22U M 6.3V		C544	3034093426	CERAMIC 0.1U K 16V	
C4805	3034093426	CERAMIC 0.1U K 16V		C545	3034093426	CERAMIC 0.1U K 16V	
C4808	3033583215	CERAMIC 10U K 6.3V		C546	3034093426	CERAMIC 0.1U K 16V	
C481	3033925015	CERAMIC 22U M 6.3V		C547	3033727510	CERAMIC 2.2U K 6.3V	
C482	3033925015	CERAMIC 22U M 6.3V		C548	3033727510	CERAMIC 2.2U K 6.3V	
C484	3033583215	CERAMIC 10U K 6.3V		C549	3034093426	CERAMIC 0.1U K 16V	
C486	3033583215	CERAMIC 10U K 6.3V		C550	3033969613	CERAMIC 1U K 25V	
C487	3033583215	CERAMIC 10U K 6.3V		C551	4041285402	ELECT 47U M 25V	
C488	3033583215	CERAMIC 10U K 6.3V		C552	3033969613	CERAMIC 1U K 25V	
C489	3033583215	CERAMIC 10U K 6.3V		C553	3034013810	ELECT 10U M 25V	
C490	3033583215	CERAMIC 10U K 6.3V		C554	3033969613	CERAMIC 1U K 25V	
C491	4041290901	ELECT 100U M 6.3V		C555	4041285402	ELECT 47U M 25V	
C492	3033583215	CERAMIC 10U K 6.3V		C556	3033969613	CERAMIC 1U K 25V	
C493	4041290901	ELECT 100U M 6.3V		C557	3034013810	ELECT 10U M 25V	
C494	3033583215	CERAMIC 10U K 6.3V		C558	3033969613	CERAMIC 1U K 25V	
C495	3033583215	CERAMIC 10U K 6.3V		C559	4041285402	ELECT 47U M 25V	
C496	4041290901	ELECT 100U M 6.3V		C560	3033969613	CERAMIC 1U K 25V	
C497	3033583215	CERAMIC 10U K 6.3V		C561	3032761317	CERAMIC 1000P K 50V	
C499	3033583215	CERAMIC 10U K 6.3V		C5611	3033983312	ELECT 47U M 10V	
C500	3034093426	CERAMIC 0.1U K 16V		C5612	3034093426	CERAMIC 0.1U K 16V	
C501	3034093426	CERAMIC 0.1U K 16V		C5613	3033921215	ELECT 47U M 6.3V	
C502	3034093426	CERAMIC 0.1U K 16V		C5614	4034551012	CERAMIC 1U K 10V	
C503	3034093426	CERAMIC 0.1U K 16V		C562	4034551012	CERAMIC 1U K 10V	
C504	3034093426	CERAMIC 0.1U K 16V		C5621	4034551012	CERAMIC 1U K 10V	
C505	3032761317	CERAMIC 1000P K 50V		C563	3032761317	CERAMIC 1000P K 50V	
C506	3032761317	CERAMIC 1000P K 50V		C564	3032761317	CERAMIC 1000P K 50V	
C5064	3033969613	CERAMIC 1U K 25V		C565	3034093426	CERAMIC 0.1U K 16V	
C5065	3033969613	CERAMIC 1U K 25V		C566	3034093426	CERAMIC 0.1U K 16V	
C507	3032761317	CERAMIC 1000P K 50V		C5665	4034551012	CERAMIC 1U K 10V	
C5070	3034093426	CERAMIC 0.1U K 16V		C567	3032761317	CERAMIC 1000P K 50V	
C508	3032761317	CERAMIC 1000P K 50V		C568	3032761317	CERAMIC 1000P K 50V	
C509	3034093426	CERAMIC 0.1U K 16V		C569	3034093426	CERAMIC 0.1U K 16V	
C510	3034093426	CERAMIC 0.1U K 16V		C570	3034093426	CERAMIC 0.1U K 16V	
C511	3034093426	CERAMIC 0.1U K 16V		C5703	3033983312	ELECT 47U M 10V	
C512	3034093426	CERAMIC 0.1U K 16V		C5705	4041285402	ELECT 47U M 25V	
C5122	3034093426	CERAMIC 0.1U K 16V		C5706	3034093426	CERAMIC 0.1U K 16V	
C513	3034093426	CERAMIC 0.1U K 16V		C5707	3033246417	CERAMIC 0.022U K 16V	
C514	3032761317	CERAMIC 1000P K 50V		C571	3032761317	CERAMIC 1000P K 50V	
C515	3032761317	CERAMIC 1000P K 50V		C5710	4034551012	CERAMIC 1U K 10V	
C516	3032761317	CERAMIC 1000P K 50V		C572	3032761317	CERAMIC 1000P K 50V	
C517	3032761317	CERAMIC 1000P K 50V		C573	3034093426	CERAMIC 0.1U K 16V	
C518	3034093426	CERAMIC 0.1U K 16V		C574	3034093426	CERAMIC 0.1U K 16V	
C519	3032761317	CERAMIC 1000P K 50V		C575	3032761317	CERAMIC 1000P K 50V	
C520	3033583215	CERAMIC 10U K 6.3V		C576	3032761317	CERAMIC 1000P K 50V	
C521	3034093426	CERAMIC 0.1U K 16V		C577	3034093426	CERAMIC 0.1U K 16V	
C522	4041290901	ELECT 100U M 6.3V		C578	3034093426	CERAMIC 0.1U K 16V	
C523	4041290901	ELECT 100U M 6.3V		C579	3034013810	ELECT 10U M 25V	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
C580	3034013810	ELECT 10U M 25V		C7807	3034093426	CERAMIC 0.1U K 16V	
C581	3034374614	CERAMIC 10U K 25V		C7808	3034093426	CERAMIC 0.1U K 16V	
C582	3034013810	ELECT 10U M 25V		C7812	3034374614	CERAMIC 10U K 25V	
C5821	3034540613	CERAMIC 10000P K 50V		C7813	3034374614	CERAMIC 10U K 25V	
C5822	3032795114	CERAMIC 3300P K 50V		C7814	3033978219	CERAMIC 2.2U K 25V	
C5823	3034093426	CERAMIC 0.1U K 16V		C7815	3032753015	CERAMIC 0.047U K 16V	
C5824	4034551616	CERAMIC 10U K 16V		C7816	3033058812	CERAMIC 47P J 50V	
C5825	4034551616	CERAMIC 10U K 16V		C7818	4041284900	ELECT 220U M 16V	
C5826	3034093426	CERAMIC 0.1U K 16V		C7819	3034540613	CERAMIC 10000P K 50V	
C5827	3033925015	CERAMIC 22U M 6.3V		C7821	4034572512	CERAMIC 0.47U K 10V	
C5828	3033925015	CERAMIC 22U M 6.3V		C7822	3032753015	CERAMIC 0.047U K 16V	
C5829	3032796210	CERAMIC 10P J 50V		C7823	3033945815	CERAMIC 4.7U K 16V	
C583	3034374614	CERAMIC 10U K 25V		C7824	3033058812	CERAMIC 47P J 50V	
C5831	4034551616	CERAMIC 10U K 16V		C7825	3033978219	CERAMIC 2.2U K 25V	
C5832	3034093426	CERAMIC 0.1U K 16V		C7827	3034540613	CERAMIC 10000P K 50V	
C5833	4041290901	ELECT 100U M 6.3V		C7828	4034572512	CERAMIC 0.47U K 10V	
C5834	3034540613	CERAMIC 10000P K 50V		C7829	4041284900	ELECT 220U M 16V	
C5835	3033925015	CERAMIC 22U M 6.3V		C7851	3034374614	CERAMIC 10U K 25V	
C5836	4041228706	EP-ELECT 330U M 4V		C7852	4034670911	CERAMIC 0.1U K 25V	
C5839	3034540613	CERAMIC 10000P K 50V		C7853	4041284801	ELECT 100U M 16V	
C584	3034013810	ELECT 10U M 25V		C7854	4034670911	CERAMIC 0.1U K 25V	
C5840	3031577018	CERAMIC 1800P K 50V		C7861	3034374614	CERAMIC 10U K 25V	
C5841	4034551012	CERAMIC 1U K 10V		C7862	4034670911	CERAMIC 0.1U K 25V	
C5842	3034093426	CERAMIC 0.1U K 16V		C7863	4041284801	ELECT 100U M 16V	
C5843	3033583215	CERAMIC 10U K 6.3V		C7864	4034670911	CERAMIC 0.1U K 25V	
C5844	3034093426	CERAMIC 0.1U K 16V		C7871	3034374614	CERAMIC 10U K 25V	
C5849	3034093426	CERAMIC 0.1U K 16V		C7872	4034670911	CERAMIC 0.1U K 25V	
C585	3034013810	ELECT 10U M 25V		C7873	4041284801	ELECT 100U M 16V	
C586	3034013810	ELECT 10U M 25V		C7874	4034670911	CERAMIC 0.1U K 25V	
C5860	3034093426	CERAMIC 0.1U K 16V		C7881	3034374614	CERAMIC 10U K 25V	
C5862	4034551616	CERAMIC 10U K 16V		C7882	4034670911	CERAMIC 0.1U K 25V	
C5863	3034093426	CERAMIC 0.1U K 16V		C7883	4041284801	ELECT 100U M 16V	
C5864	4034551616	CERAMIC 10U K 16V		C7884	4034670911	CERAMIC 0.1U K 25V	
C5867	3032844317	CERAMIC 0.022U K 50V		C7891	3034374614	CERAMIC 10U K 25V	
C5868	3032796210	CERAMIC 10P J 50V		C7892	4034670911	CERAMIC 0.1U K 25V	
C5869	3033925015	CERAMIC 22U M 6.3V		C7893	4041284801	ELECT 100U M 16V	
C587	3033766212	CERAMIC 0.22U K 10V		C7894	4034670911	CERAMIC 0.1U K 25V	
C5871	3033925015	CERAMIC 22U M 6.3V		C8000	3033117816	CERAMIC 8P D 50V	
C5879	3034093426	CERAMIC 0.1U K 16V		C8001	3033583215	CERAMIC 10U K 6.3V	
C589	3032761317	CERAMIC 1000P K 50V		C8002	3034093426	CERAMIC 0.1U K 16V	
C590	3032761317	CERAMIC 1000P K 50V		C8003	3034093426	CERAMIC 0.1U K 16V	
C591	3033766212	CERAMIC 0.22U K 10V		C8004	3034093426	CERAMIC 0.1U K 16V	
C592	3033766212	CERAMIC 0.22U K 10V		C8005	4034551012	CERAMIC 1U K 10V	
C593	3033766212	CERAMIC 0.22U K 10V		C8006	3034093426	CERAMIC 0.1U K 16V	
C594	3033766212	CERAMIC 0.22U K 10V		C8007	3034093426	CERAMIC 0.1U K 16V	
C595	3034374614	CERAMIC 10U K 25V		C8008	3033583215	CERAMIC 10U K 6.3V	
C596	4034670911	CERAMIC 0.1U K 25V		C8009	3033583215	CERAMIC 10U K 6.3V	
C597	4034670911	CERAMIC 0.1U K 25V		C801	3034093426	CERAMIC 0.1U K 16V	
C598	3034374614	CERAMIC 10U K 25V		C8010	3034093426	CERAMIC 0.1U K 16V	
C599	3033583215	CERAMIC 10U K 6.3V		C8011	3034093426	CERAMIC 0.1U K 16V	
C6001	4041284405	ELECT 47U M 6.3V		C8012	3033583215	CERAMIC 10U K 6.3V	
C6002	3034093426	CERAMIC 0.1U K 16V		C8013	3034093426	CERAMIC 0.1U K 16V	
C6003	3032761911	CERAMIC 22P J 50V		C8014	3031397715	CERAMIC 7P D 50V	
C6004	4041284405	ELECT 47U M 6.3V		C8016	3031571610	CERAMIC 6P D 50V	
C6005	3034093426	CERAMIC 0.1U K 16V		C8017	3034093426	CERAMIC 0.1U K 16V	
C6008	3034093426	CERAMIC 0.1U K 16V		C8018	3034093426	CERAMIC 0.1U K 16V	
C6009	3033583215	CERAMIC 10U K 6.3V		C8019	3034093426	CERAMIC 0.1U K 16V	
C6010	3033583215	CERAMIC 10U K 6.3V		C8021	3034093426	CERAMIC 0.1U K 16V	
C6801	3034093426	CERAMIC 0.1U K 16V		C8022	3034093426	CERAMIC 0.1U K 16V	
C6802	3034093426	CERAMIC 0.1U K 16V		C8023	3034093426	CERAMIC 0.1U K 16V	
C6803	3034093426	CERAMIC 0.1U K 16V		C8024	3033583215	CERAMIC 10U K 6.3V	
C6832	3033827814	CERAMIC 2.2U K 10V		C8026	3033583215	CERAMIC 10U K 6.3V	
C7100	3034093426	CERAMIC 0.1U K 16V		C8027	3033583215	CERAMIC 10U K 6.3V	
C7101	4034551012	CERAMIC 1U K 10V		C8028	3034093426	CERAMIC 0.1U K 16V	
C7103	3033827814	CERAMIC 2.2U K 10V		C8029	3034093426	CERAMIC 0.1U K 16V	
C7801	4041290901	ELECT 100U M 6.3V		C803	3034093426	CERAMIC 0.1U K 16V	
C7802	3034093426	CERAMIC 0.1U K 16V		C8031	3034093426	CERAMIC 0.1U K 16V	
C7803	3034093426	CERAMIC 0.1U K 16V		C8032	3034093426	CERAMIC 0.1U K 16V	
C7804	3034093426	CERAMIC 0.1U K 16V		C8033	3034093426	CERAMIC 0.1U K 16V	
C7805	3034093426	CERAMIC 0.1U K 16V		C8034	3034093426	CERAMIC 0.1U K 16V	
C7806	3034093426	CERAMIC 0.1U K 16V		C8035	3034093426	CERAMIC 0.1U K 16V	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
C8036	3034093426	CERAMIC 0.1U K 16V		C8127	4034551012	CERAMIC 1U K 10V	
C8037	3034093426	CERAMIC 0.1U K 16V		C8128	4034551012	CERAMIC 1U K 10V	
C8038	3033583215	CERAMIC 10U K 6.3V		C8129	4034551012	CERAMIC 1U K 10V	
C8039	3034093426	CERAMIC 0.1U K 16V		C813	3034539617	CERAMIC 33P J 50V	
C8040	3034093426	CERAMIC 0.1U K 16V		C8130	4034551012	CERAMIC 1U K 10V	
C8041	3034093426	CERAMIC 0.1U K 16V		C8131	4034551012	CERAMIC 1U K 10V	
C8044	3034093426	CERAMIC 0.1U K 16V		C8132	4034551012	CERAMIC 1U K 10V	
C8045	3034093426	CERAMIC 0.1U K 16V		C8133	4034551012	CERAMIC 1U K 10V	
C8047	3034093426	CERAMIC 0.1U K 16V		C8134	4034551012	CERAMIC 1U K 10V	
C8048	3034093426	CERAMIC 0.1U K 16V		C8135	4034551012	CERAMIC 1U K 10V	
C805	3033583215	CERAMIC 10U K 6.3V		C8136	4034551012	CERAMIC 1U K 10V	
C8050	3034093426	CERAMIC 0.1U K 16V		C8137	4034551012	CERAMIC 1U K 10V	
C8051	4034551012	CERAMIC 1U K 10V		C814	3034539617	CERAMIC 33P J 50V	
C8053	3034093426	CERAMIC 0.1U K 16V		C815	3034539617	CERAMIC 33P J 50V	
C8054	4034551012	CERAMIC 1U K 10V		C8156	3034093426	CERAMIC 0.1U K 16V	
C8055	3032796210	CERAMIC 10P J 50V		C8157	3034093426	CERAMIC 0.1U K 16V	
C8056	3034093426	CERAMIC 0.1U K 16V		C816	3034539617	CERAMIC 33P J 50V	
C8057	3034093426	CERAMIC 0.1U K 16V		C817	3034539617	CERAMIC 33P J 50V	
C8059	3034093426	CERAMIC 0.1U K 16V		C818	3034539617	CERAMIC 33P J 50V	
C806	3033583215	CERAMIC 10U K 6.3V		C819	3034539617	CERAMIC 33P J 50V	
C8060	3034093426	CERAMIC 0.1U K 16V		C820	3034539617	CERAMIC 33P J 50V	
C8061	4034551616	CERAMIC 10U K 16V		C821	3034539617	CERAMIC 33P J 50V	
C8063	3034093426	CERAMIC 0.1U K 16V		C8210	3034093426	CERAMIC 0.1U K 16V	
C8064	4034551616	CERAMIC 10U K 16V		C8211	3034093426	CERAMIC 0.1U K 16V	
C8065	3034093426	CERAMIC 0.1U K 16V		C8212	3034093426	CERAMIC 0.1U K 16V	
C8068	3034093426	CERAMIC 0.1U K 16V		C8213	3034093426	CERAMIC 0.1U K 16V	
C807	3034015715	CERAMIC 0.33U K 16V		C8214	3034093426	CERAMIC 0.1U K 16V	
C8071	3034093426	CERAMIC 0.1U K 16V		C8216	3034093426	CERAMIC 0.1U K 16V	
C8073	3034093426	CERAMIC 0.1U K 16V		C8217	3034093426	CERAMIC 0.1U K 16V	
C8074	3034093426	CERAMIC 0.1U K 16V		C8218	3034093426	CERAMIC 0.1U K 16V	
C8075	3034093426	CERAMIC 0.1U K 16V		C8219	3034093426	CERAMIC 0.1U K 16V	
C8076	3034093426	CERAMIC 0.1U K 16V		C822	3034539617	CERAMIC 33P J 50V	
C808	3034015715	CERAMIC 0.33U K 16V		C8221	3034093426	CERAMIC 0.1U K 16V	
C8081	3033583215	CERAMIC 10U K 6.3V		C8222	3034093426	CERAMIC 0.1U K 16V	
C8082	3034093426	CERAMIC 0.1U K 16V		C823	3034539617	CERAMIC 33P J 50V	
C8084	3034093426	CERAMIC 0.1U K 16V		C8230	3031552213	CERAMIC 3300P K 50V	
C8085	3034093426	CERAMIC 0.1U K 16V		C8231	3034093426	CERAMIC 0.1U K 16V	
C8090	3034093426	CERAMIC 0.1U K 16V		C8232	3034093426	CERAMIC 0.1U K 16V	
C8092	3033583215	CERAMIC 10U K 6.3V		C8233	3034093426	CERAMIC 0.1U K 16V	
C8093	4041290901	ELECT 100U M 6.3V		C8234	3034093426	CERAMIC 0.1U K 16V	
C8096	4041228706	EP-ELECT 330U M 4V		C8237	3034093426	CERAMIC 0.1U K 16V	
C8097	3034093426	CERAMIC 0.1U K 16V		C8238	3034439214	CERAMIC 22U M 6.3V	
C8098	3033766212	CERAMIC 0.22U K 10V		C8239	3034093426	CERAMIC 0.1U K 16V	
C8100	3034093426	CERAMIC 0.1U K 16V		C824	3034539617	CERAMIC 33P J 50V	
C8101	3034093426	CERAMIC 0.1U K 16V		C8241	3034093426	CERAMIC 0.1U K 16V	
C8103	3034093426	CERAMIC 0.1U K 16V		C8242	3031577018	CERAMIC 1800P K 50V	
C8104	3034093426	CERAMIC 0.1U K 16V		C8243	3034093426	CERAMIC 0.1U K 16V	
C8105	3034093426	CERAMIC 0.1U K 16V		C8244	3034093426	CERAMIC 0.1U K 16V	
C8106	3034093426	CERAMIC 0.1U K 16V		C8247	3034093426	CERAMIC 0.1U K 16V	
C8107	3034093426	CERAMIC 0.1U K 16V		C8248	3034439214	CERAMIC 22U M 6.3V	
C8108	3031552411	CERAMIC 5600P K 50V		C8249	3034093426	CERAMIC 0.1U K 16V	
C8109	3031552411	CERAMIC 5600P K 50V		C825	3034539617	CERAMIC 33P J 50V	
C811	3034539617	CERAMIC 33P J 50V		C8251	3031552213	CERAMIC 3300P K 50V	
C8110	3031552411	CERAMIC 5600P K 50V		C8252	3034093426	CERAMIC 0.1U K 16V	
C8111	3031552411	CERAMIC 5600P K 50V		C8253	4034551616	CERAMIC 10U K 16V	
C8112	3033583215	CERAMIC 10U K 6.3V		C8254	3034093426	CERAMIC 0.1U K 16V	
C8113	4034551012	CERAMIC 1U K 10V		C8256	3034439214	CERAMIC 22U M 6.3V	
C8114	3034093426	CERAMIC 0.1U K 16V		C826	3034539617	CERAMIC 33P J 50V	
C8115	3033583215	CERAMIC 10U K 6.3V		C8274	3034093426	CERAMIC 0.1U K 16V	
C8116	4034551012	CERAMIC 1U K 10V		C8276	3034093426	CERAMIC 0.1U K 16V	
C8117	3034093426	CERAMIC 0.1U K 16V		C8277	3034093426	CERAMIC 0.1U K 16V	
C8118	4034551012	CERAMIC 1U K 10V		C8279	4034551616	CERAMIC 10U K 16V	
C8119	4034551012	CERAMIC 1U K 10V		C8281	3033583215	CERAMIC 10U K 6.3V	
C812	3034539617	CERAMIC 33P J 50V		C8282	3033583215	CERAMIC 10U K 6.3V	
C8120	4034551012	CERAMIC 1U K 10V		C8283	3033583215	CERAMIC 10U K 6.3V	
C8121	4034551012	CERAMIC 1U K 10V		C8289	4034551616	CERAMIC 10U K 16V	
C8122	4034551012	CERAMIC 1U K 10V		C8290	3033925015	CERAMIC 22U M 6.3V	
C8123	4034551012	CERAMIC 1U K 10V		C8291	3033925015	CERAMIC 22U M 6.3V	
C8124	4034551012	CERAMIC 1U K 10V		C8292	4034551616	CERAMIC 10U K 16V	
C8125	4034551012	CERAMIC 1U K 10V		C8293	3033925015	CERAMIC 22U M 6.3V	
C8126	4034551012	CERAMIC 1U K 10V		C8294	4034551616	CERAMIC 10U K 16V	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
C8301	3033583215	CERAMIC	10U K 6.3V	D3621	3072350816	DIODE 1SS387 TPL3	
C8302	3033583215	CERAMIC	10U K 6.3V	D3622	3072350816	DIODE 1SS387 TPL3	
C8303	3034093426	CERAMIC	0.1U K 16V	D3623	3072350816	DIODE 1SS387 TPL3	
C8305	3033583215	CERAMIC	10U K 6.3V	D3624	3072350816	DIODE 1SS387 TPL3	
C8311	3034093426	CERAMIC	0.1U K 16V	D3625	3072350816	DIODE 1SS387 TPL3	
C8312	3031133818	CERAMIC	1000P K 50V	D3629	3072350816	DIODE 1SS387 TPL3	
C8313	3031133818	CERAMIC	1000P K 50V	D3636	3072350816	DIODE 1SS387 TPL3	
C8318	3034093426	CERAMIC	0.1U K 16V	D3637	3072350816	DIODE 1SS387 TPL3	
C8319	3034093426	CERAMIC	0.1U K 16V	D3638	3072350816	DIODE 1SS387 TPL3	
C8321	3034093426	CERAMIC	0.1U K 16V	D3639	3072350816	DIODE 1SS387 TPL3	
C8322	3034093426	CERAMIC	0.1U K 16V	D3640	3072350816	DIODE 1SS387 TPL3	
C8325	3034093426	CERAMIC	0.1U K 16V	D4001	3072350816	DIODE 1SS387 TPL3	
C8326	3034093426	CERAMIC	0.1U K 16V	D4041	4080637507	ZENER DIODE MM3Z6V2B	
C8327	3034093426	CERAMIC	0.1U K 16V	D411	3072350816	DIODE 1SS387 TPL3	
C8331	3034093426	CERAMIC	0.1U K 16V	D412	3072350816	DIODE 1SS387 TPL3	
C8333	3034093426	CERAMIC	0.1U K 16V	D413	3072350816	DIODE 1SS387 TPL3	
C8336	3034093426	CERAMIC	0.1U K 16V	D4812	3072091214	ZD UDZS-TE-176.2B	
C8337	3034093426	CERAMIC	0.1U K 16V	D4813	3072091214	ZD UDZS-TE-176.2B	
C8338	3034093426	CERAMIC	0.1U K 16V	D5602	3072105416	DIODE RB551V-30-TE-17	
C8340	3034093426	CERAMIC	0.1U K 16V	D5603	3072105416	DIODE RB551V-30-TE-17	
C8375	3034093426	CERAMIC	0.1U K 16V	D5622	3072350816	DIODE 1SS387 TPL3	
C8376	3033583215	CERAMIC	10U K 6.3V	D5623	3072350816	DIODE 1SS387 TPL3	
C8379	3034093426	CERAMIC	0.1U K 16V	D5624	3072350816	DIODE 1SS387 TPL3	
C8381	3033583215	CERAMIC	10U K 6.3V	D582	3072350816	DIODE 1SS387 TPL3	
C841	4034551012	CERAMIC	1U K 10V	D583	3072350816	DIODE 1SS387 TPL3	
C8414	4034551012	CERAMIC	1U K 10V	D591	3072350816	DIODE 1SS387 TPL3	
C8415	4034551012	CERAMIC	1U K 10V	D592	3072350816	DIODE 1SS387 TPL3	
C8416	3034507012	CERAMIC	47U K 10V	D6801	3072091214	ZD UDZS-TE-176.2B	
C8417	3034507012	CERAMIC	47U K 10V	D6802	3072091214	ZD UDZS-TE-176.2B	
C8418	3034093426	CERAMIC	0.1U K 16V	D6803	3072091214	ZD UDZS-TE-176.2B	
C8419	3034093426	CERAMIC	0.1U K 16V	D6831	4080685508	LED KPT-2012YC	
C842	3033921215	ELECT	47U M 6.3V	D6833	4080718503	LED KPT-2012SRC-PRV	
C843	3034540613	CERAMIC	10000P K 50V	D6835	4080685201	LED KPTB-1612ESGC	
C8431	3032796210	CERAMIC	10P J 50V	D6841	3072091214	ZD UDZS-TE-176.2B	
C8432	3032796210	CERAMIC	10P J 50V	D6842	3072091214	ZD UDZS-TE-176.2B	
C8433	4034551012	CERAMIC	1U K 10V	D6845	3072091214	ZD UDZS-TE-176.2B	
C8434	4034551012	CERAMIC	1U K 10V	D6846	3072091214	ZD UDZS-TE-176.2B	
C8435	3034093426	CERAMIC	0.1U K 16V	D7812	4072721415	DIODE SS3P4-M3/84A	
C8436	3034093426	CERAMIC	0.1U K 16V	D7813	4072721415	DIODE SS3P4-M3/84A	
C8437	3034093426	CERAMIC	0.1U K 16V	D8011	3011506014	MT-GLAZE 0.000 ZA 1/10W	
C8438	3034093426	CERAMIC	0.1U K 16V	D8012	3072350816	DIODE 1SS387 TPL3	
C8439	3034093426	CERAMIC	0.1U K 16V	D8013	3072350816	DIODE 1SS387 TPL3	
C8813	3034093426	CERAMIC	0.1U K 16V	D8014	3072350816	DIODE 1SS387 TPL3	
C8823	3034093426	CERAMIC	0.1U K 16V	D8015	3072350816	DIODE 1SS387 TPL3	
C9631	4034551012	CERAMIC	1U K 10V	D8016	3072350816	DIODE 1SS387 TPL3	
C9875	3033058812	CERAMIC	47P J 50V	D8017	3072350816	DIODE 1SS387 TPL3	
C9878	3033246417	CERAMIC	0.022U K 16V	D8018	3072350816	DIODE 1SS387 TPL3	
C9882	3034093426	CERAMIC	0.1U K 16V	D8019	3072350816	DIODE 1SS387 TPL3	
C9883	3033921215	ELECT	47U M 6.3V	D8091	4072721415	DIODE SS3P4-M3/84A	
C9884	3034093426	CERAMIC	0.1U K 16V	D8092	3072350816	DIODE 1SS387 TPL3	
C9886	3034093426	CERAMIC	0.1U K 16V	D8093	3072350816	DIODE 1SS387 TPL3	
C9887	3034093426	CERAMIC	0.1U K 16V	D8094	3072350816	DIODE 1SS387 TPL3	
D1001	3072091214	ZD UDZS-TE-176.2B		D8280	3072105416	DIODE RB551V-30-TE-17	
D1002	3072091214	ZD UDZS-TE-176.2B		D8281	3072105416	DIODE RB551V-30-TE-17	
D1091	3072350816	DIODE 1SS387 TPL3		D8301	3071490810	DIODE 1SS355-TE-17	
D1092	3072055216	DIODE RB5215-30-TE61		D8302	3071490810	DIODE 1SS355-TE-17	
D2891	3072091214	ZD UDZS-TE-176.2B		D8303	3071490810	DIODE 1SS355-TE-17	
D2892	3072091214	ZD UDZS-TE-176.2B		D8304	3071490810	DIODE 1SS355-TE-17	
D2893	3072091214	ZD UDZS-TE-176.2B		FB3620	9450866037	IMPEDANCE,330 OHM P	
D2894	3072091214	ZD UDZS-TE-176.2B		FB3621	9450866037	IMPEDANCE,330 OHM P	
D333	4097155417	IC S10604		FB3622	9450866037	IMPEDANCE,330 OHM P	
D3602	3072350816	DIODE 1SS387 TPL3		FB3623	9450866037	IMPEDANCE,330 OHM P	
D3603	3072350816	DIODE 1SS387 TPL3		FB3624	9450866037	IMPEDANCE,330 OHM P	
D3604	3072350816	DIODE 1SS387 TPL3		FB3625	9450866037	IMPEDANCE,330 OHM P	
D3605	3072350816	DIODE 1SS387 TPL3		FB3626	9450866037	IMPEDANCE,330 OHM P	
D3606	3072350816	DIODE 1SS387 TPL3		FB3627	9450866037	IMPEDANCE,330 OHM P	
D3607	3072350816	DIODE 1SS387 TPL3		FB3628	9450866037	IMPEDANCE,330 OHM P	
D3608	3072350816	DIODE 1SS387 TPL3		FB3629	9450866037	IMPEDANCE,330 OHM P	
D3609	3072350816	DIODE 1SS387 TPL3		IC1051	4107058308	IC M24C02-WMN6TP	
D3610	3072350816	DIODE 1SS387 TPL3		IC1371	4106772304	IC 24LC128T-I/SN	
D3617	3072350816	DIODE 1SS387 TPL3		IC1701	4106991804	IC TC7USB221FT(EL)	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
IC1802	3096717817	IC TE7783APF		K8002	6520024540	SOCKET,USB 4P	
IC301	4097117019	IC PW190-10SG		K8304	6450936760	TRANS,PULSE	
IC302	3090396622	IC NJM2904-T2		K8313	6520024540	SOCKET,USB 4P	
IC3601	3105960101	IC 74LVC14APW,118		L1002	9450867577	FILTER,EMI 400MHZ	
IC3602	3105960101	IC 74LVC14APW,118		L1012	9450867577	FILTER,EMI 400MHZ	
IC3801	3094952517	IC SP3232ECY/TR		L1022	9450867577	FILTER,EMI 400MHZ	
IC3802	3103494103	IC TC7W241FU(TE12L)		L1051	9450867577	FILTER,EMI 400MHZ	
IC3803	3103494103	IC TC7W241FU(TE12L)		L1053	9450328344	INDUCTOR,39U J	
IC3804	3103494103	IC TC7W241FU(TE12L)		L1061	9450867577	FILTER,EMI 400MHZ	
IC3850	4097061718	IC LIS331DLHTR		L1071	9450867577	FILTER,EMI 400MHZ	
IC4001	4106864702	IC EL5306IUZ-T7		L1801	3011506014	MT-GLAZE 0.000 ZA 1/10W	
IC411	4107312004	IC TPS54327DDAR		L1803	9450591748	INDUCTOR,2.2U J	
IC421	4107363204	IC XC6220B101PR-G		L2891	9450865368	IMPEDANCE,220 OHM P	
IC431	4096996516	IC TA48S00AF		L2892	9450189327	INDUCTOR,1000 OHM	
IC441	4096996516	IC TA48S00AF		L2893	9450189327	INDUCTOR,1000 OHM	
IC4701	3094288428	IC TC7WT125FU-TE12L		L2894	9450866037	IMPEDANCE,330 OHM P	
IC5005	3094385513	IC TC4052BFT		L2895	9450866037	IMPEDANCE,330 OHM P	
IC501	4097151518	IC CXD3551GG		L2896	9450866037	IMPEDANCE,330 OHM P	
IC521	3104794004	IC TC7WBD125AFK		L2897	9450866037	IMPEDANCE,330 OHM P	
IC5301	3105960101	IC 74LVC14APW,118		L2898	9450866037	IMPEDANCE,330 OHM P	
IC531	4107346405	IC EM68B16CWQD-25H		L2899	9450189327	INDUCTOR,1000 OHM	
IC5602	4107312103	IC XC6204F502PR-G		L301	9450865368	IMPEDANCE,220 OHM P	
IC561	4097151419	IC CXA3828GL		L302	9450865368	IMPEDANCE,220 OHM P	
IC582	3094617822	IC PQ20WZ11		L303	9450865368	IMPEDANCE,220 OHM P	
IC5821	4107312004	IC TPS54327DDAR		L304	9450865368	IMPEDANCE,220 OHM P	
IC5831	4096892115	IC MP2106DK		L305	9450865368	IMPEDANCE,220 OHM P	
IC5841	3095985217	IC TAR5S25		L306	9450865368	IMPEDANCE,220 OHM P	
IC5861	4107312004	IC TPS54327DDAR		L307	9450865368	IMPEDANCE,220 OHM P	
IC592	3094617822	IC PQ20WZ11		L308	9450865368	IMPEDANCE,220 OHM P	
IC601	4097062111	IC TB6608FNG		L309	9450865368	IMPEDANCE,220 OHM P	
IC7100	4096996516	IC TA48S00AF		L311	9450865368	IMPEDANCE,220 OHM P	
IC7801	3094314424	IC M62334FP-DF5Q		L312	9450865368	IMPEDANCE,220 OHM P	
IC7811	4107064705	IC TP554286PWPR		L313	9450865368	IMPEDANCE,220 OHM P	
IC7851	3094617822	IC PQ20WZ11		L314	9450865368	IMPEDANCE,220 OHM P	
IC7861	3094617822	IC PQ20WZ11		L3621	9450865368	IMPEDANCE,220 OHM P	
IC7871	3094617822	IC PQ20WZ11		L3622	9450865368	IMPEDANCE,220 OHM P	
IC7881	3094617822	IC PQ20WZ11		L3623	9450865368	IMPEDANCE,220 OHM P	
IC7891	3094617822	IC PQ20WZ11		L3624	9450865368	IMPEDANCE,220 OHM P	
IC8001	4096985510	IC SI19127ACTU		L3625	9450865368	IMPEDANCE,220 OHM P	
IC8003	4106568600	IC 24AA64T-I/MS		L3626	9450865368	IMPEDANCE,220 OHM P	
IC8005	4107314800	IC H5P55162GFR-S6C		L3627	9450865368	IMPEDANCE,220 OHM P	
IC8006	4107314800	IC H5P55162GFR-S6C		L3628	9450865368	IMPEDANCE,220 OHM P	
IC8008	4107354707	IC M29W128GL70N6E-KZ4CC		L3629	9450865368	IMPEDANCE,220 OHM P	
IC8009	4107312103	IC XC6204F502PR-G		L3630	9450865368	IMPEDANCE,220 OHM P	
IC801	4107354608	IC M29W640FT70N6E-KZ4CC		L3631	9450865368	IMPEDANCE,220 OHM P	
		VX505NU,NE,NEJ,NEA,NEAJ		L3632	9450865368	IMPEDANCE,220 OHM P	
IC801	4107363105	IC M29W640FT70N6E-MA2CC		L3633	9450865368	IMPEDANCE,220 OHM P	
		VW435NU,NE,NEJ,NEA,NEAJ		L3634	9450865368	IMPEDANCE,220 OHM P	
IC8010	4097018613	IC WM8510		L3635	9450865368	IMPEDANCE,220 OHM P	
IC8012	4096892115	IC MP2106DK		L3636	9450865368	IMPEDANCE,220 OHM P	
IC8013	4096892115	IC MP2106DK		L3637	9450865368	IMPEDANCE,220 OHM P	
IC8014	4096859415	IC MP2307DN		L3638	9450865368	IMPEDANCE,220 OHM P	
IC8016	3104284307	IC LM809M3-2.93		L3639	9450865368	IMPEDANCE,220 OHM P	
IC8081	4096959313	IC RT9711CGB		L3640	9450865368	IMPEDANCE,220 OHM P	
IC8091	4107357500	IC TJ3965GRS-ADJ-5L		L411	3010375017	MT-GLAZE 0.000 ZA 1/10W	
IC8301	3095796516	IC PCM1754DBQR		L413	9450411978	INDUCTOR,330 OHM	
IC8306	4097018712	IC VT6103X		L414	6451048431	INDUCTOR,2.2U N	
IC8311	3095796516	IC PCM1754DBQR		L415	9450411978	INDUCTOR,330 OHM	
IC8315	4096959313	IC RT9711CGB		L421	3010375017	MT-GLAZE 0.000 ZA 1/10W	
IC8316	4096959313	IC RT9711CGB		L423	6520028500	INDUCTOR 330OHM, P	
IC841	4096993010	IC PT7M7809STE		L426	6520028500	INDUCTOR 330OHM, P	
IC8821	4106544802	IC ADT75BRMZ-REEL		L431	6520028500	INDUCTOR 330OHM, P	
IC8831	4106544802	IC ADT75BRMZ-REEL		L4809	9450189327	INDUCTOR,1000 OHM	
IC9882	3105960101	IC 74LVC14APW,118		L4810	9450189327	INDUCTOR,1000 OHM	
IC9885	4107333108	IC MB95F353EPFT-G-SNERE2		L4811	9450189327	INDUCTOR,1000 OHM	
IC9886	4097142011	IC TC7SH00FU(TE85L JF		L4812	9450865368	IMPEDANCE,220 OHM P	
IC9887	4107364508	IC NL17SZ04DFT2G		L4814	9450189327	INDUCTOR,1000 OHM	
K10A	9520018601	SOCKET,D-SUB 15P		L5606	6520028500	INDUCTOR 330OHM, P	
K10B	9520018571	SOCKET,D-SUB 15P		L5608	6520028500	INDUCTOR 330OHM, P	
K40C	6450952647	SOCKET,USB 4P		L5609	6520028500	INDUCTOR 330OHM, P	
K8001	6520037618	SOCKET,HDMI 19P		L561	6520028500	INDUCTOR 330OHM, P	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
L562	6520028500	INDUCTOR 330OHM, P		L8024	9450411978	INDUCTOR,330 OHM	
L563	6520028500	INDUCTOR 330OHM, P		L8025	9450411978	INDUCTOR,330 OHM	
L564	6520028500	INDUCTOR 330OHM, P		L8026	9450411978	INDUCTOR,330 OHM	
L565	6520028500	INDUCTOR 330OHM, P		L8029	6520028500	INDUCTOR 330OHM, P	
L566	6520028500	INDUCTOR 330OHM, P		L8080	6520036499	INDUCTOR ,90 OHM	
L567	6520028500	INDUCTOR 330OHM, P		L8088	6520036499	INDUCTOR ,90 OHM	
L568	6520028500	INDUCTOR 330OHM, P		L8101	9450866037	IMPEDANCE,330 OHM P	
L569	6520028500	INDUCTOR 330OHM, P		L8102	9450866037	IMPEDANCE,330 OHM P	
L570	6520028500	INDUCTOR 330OHM, P		L8109	9450866037	IMPEDANCE,330 OHM P	
L5700	6520028500	INDUCTOR 330OHM, P		Q1001	4060217804	TR 2SC4617	
L5701	6520028500	INDUCTOR 330OHM, P		Q1002	4060217804	TR 2SC4617	
L5703	6520028500	INDUCTOR 330OHM, P		Q1003	3052177815	TR HN1B04FE-Y TE85L	
L5704	6520028500	INDUCTOR 330OHM, P		Q1004	3052177815	TR HN1B04FE-Y TE85L	
L571	6520028500	INDUCTOR 330OHM, P		Q1005	4060217804	TR 2SC4617	
L572	6520028500	INDUCTOR 330OHM, P		Q1006	3052177815	TR HN1B04FE-Y TE85L	
L5721	9450865368	IMPEDANCE,220 OHM P		Q1007	4060217804	TR 2SC4617	
L5802	9450411978	INDUCTOR,330 OHM		Q1008	4060217804	TR 2SC4617	
L581	6520028500	INDUCTOR 330OHM, P		Q1012	4060217804	TR 2SC4617	
L582	6520028500	INDUCTOR 330OHM, P		Q1021	4060217804	TR 2SC4617	
L5821	6451048431	INDUCTOR,2.2U N		Q1031	3052177815	TR HN1B04FE-Y TE85L	
L5822	9450411978	INDUCTOR,330 OHM		Q1041	3052177815	TR HN1B04FE-Y TE85L	
L5827	9450411978	INDUCTOR,330 OHM		Q2001	4060217804	TR 2SC4617	
L583	6520028500	INDUCTOR 330OHM, P		Q2011	4060217804	TR 2SC4617	
L5832	9450865368	IMPEDANCE,220 OHM P		Q2021	4060217804	TR 2SC4617	
L5833	3010375017	MT-GLAZE 0.000 ZA 1/10W		Q3601	4060217804	TR 2SC4617	
L5834	9450622930	INDUCTOR,10U M		Q3603	4060217804	TR 2SC4617	
L5836	9450411978	INDUCTOR,330 OHM		Q3606	4060217804	TR 2SC4617	
L584	6520028500	INDUCTOR 330OHM, P		Q3607	4060217804	TR 2SC4617	
L5842	9450865368	IMPEDANCE,220 OHM P		Q3608	4060217804	TR 2SC4617	
L5848	9450411978	INDUCTOR,330 OHM		Q3609	4060217804	TR 2SC4617	
L5849	9450411978	INDUCTOR,330 OHM		Q3610	4060217804	TR 2SC4617	
L585	6520028500	INDUCTOR 330OHM, P		Q401	4060217804	TR 2SC4617	
L586	6520028500	INDUCTOR 330OHM, P		Q4014	3052177815	TR HN1B04FE-Y TE85L	
L5861	6451048431	INDUCTOR,2.2U N		Q5041	4060217804	TR 2SC4617	
L5862	9450411978	INDUCTOR,330 OHM		Q5611	4060217804	TR 2SC4617	
L5867	9450411978	INDUCTOR,330 OHM		Q5700	3052177815	TR HN1B04FE-Y TE85L	
L5868	9450411978	INDUCTOR,330 OHM		Q5701	3051741819	TR CPH3424-TL-E	
L587	6520028500	INDUCTOR 330OHM, P		Q6833	4052272814	TR TPC6113(TE85L,F,M)	
L588	6520028500	INDUCTOR 330OHM, P		Q6846	4060217804	TR 2SC4617	
L589	6520028500	INDUCTOR 330OHM, P		Q7100	4052272814	TR TPC6113(TE85L,F,M)	
L590	6520028500	INDUCTOR 330OHM, P		Q7101	4060217804	TR 2SC4617	
L6001	9450363895	INDUCTOR,220 OHM		Q7811	3052177815	TR HN1B04FE-Y TE85L	
L6002	9450363895	INDUCTOR,220 OHM		Q7812	4060217804	TR 2SC4617	
L6003	9450363895	INDUCTOR,220 OHM		Q7816	3052177815	TR HN1B04FE-Y TE85L	
L6004	9450363895	INDUCTOR,220 OHM		Q7817	4060217804	TR 2SC4617	
L6005	6450923616	IMPEDANCE,22 OHM P		Q7851	3052177815	TR HN1B04FE-Y TE85L	
L6006	6450923616	IMPEDANCE,22 OHM P		Q7861	3052177815	TR HN1B04FE-Y TE85L	
L7101	9450411978	INDUCTOR,330 OHM		Q7871	3052177815	TR HN1B04FE-Y TE85L	
L7811	6451041159	INDUCTOR,15U M		Q7881	3052177815	TR HN1B04FE-Y TE85L	
L7812	6451041159	INDUCTOR,15U M		Q7891	3052177815	TR HN1B04FE-Y TE85L	
L8001	9450866600	IMPEDANCE,220 OHM P		Q9602	3052111918	TR RJU002N06	
L8002	9450866600	IMPEDANCE,220 OHM P		Q9603	3052111918	TR RJU002N06	
L8003	9450866600	IMPEDANCE,220 OHM P		Q9604	3052111918	TR RJU002N06	
L8004	9450866600	IMPEDANCE,220 OHM P		Q9631	3052177815	TR HN1B04FE-Y TE85L	
L8006	9450866600	IMPEDANCE,220 OHM P		R1001	3012604115	MT-GLAZE 75 JA 1/3W	
L8007	9450866600	IMPEDANCE,220 OHM P		R1002	3012251210	MT-GLAZE 4.7K JA 1/16W	
L8008	9450866037	IMPEDANCE,330 OHM P		R1003	3012258110	MT-GLAZE 10 JA 1/16W	
L8010	6520036499	INDUCTOR ,90 OHM		R1004	3012251210	MT-GLAZE 4.7K JA 1/16W	
L8011	6520036499	INDUCTOR ,90 OHM		R1012	3012248814	MT-GLAZE 100 JA 1/16W	
L8012	6520036499	INDUCTOR ,90 OHM		R1021	3012604115	MT-GLAZE 75 JA 1/3W	
L8013	6520036499	INDUCTOR ,90 OHM		R1022	3012248814	MT-GLAZE 100 JA 1/16W	
L8014	9450411978	INDUCTOR,330 OHM		R1025	3012604214	MT-GLAZE 82 JA 1/3W	
L8015	6520027329	INDUCTOR 10U M		R1026	3012604214	MT-GLAZE 82 JA 1/3W	
L8016	6520027329	INDUCTOR 10U M		R1028	3012604214	MT-GLAZE 82 JA 1/3W	
L8017	9450751388	INDUCTOR,10U M		R1029	3012252019	MT-GLAZE 680 JA 1/16W	
L8018	9450866037	IMPEDANCE,330 OHM P		R1031	3012251418	MT-GLAZE 47K JA 1/16W	
L8019	9450411978	INDUCTOR,330 OHM		R1035	3012258110	MT-GLAZE 10 JA 1/16W	
L8020	3012261516	MT-GLAZE 0.000 ZA 1/16W		R1036	3012258110	MT-GLAZE 10 JA 1/16W	
L8021	9450411978	INDUCTOR,330 OHM		R1037	3012258110	MT-GLAZE 10 JA 1/16W	
L8022	9450411978	INDUCTOR,330 OHM		R1038	3012248814	MT-GLAZE 100 JA 1/16W	
L8023	9450411978	INDUCTOR,330 OHM		R1039	3012258110	MT-GLAZE 10 JA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R1040	3012249316	MT-GLAZE 1K JA 1/16W		R1848	3012249019	MT-GLAZE 10K JA 1/16W	
R1041	3012251418	MT-GLAZE 47K JA 1/16W		R1862	3012249019	MT-GLAZE 10K JA 1/16W	
R1042	3012249316	MT-GLAZE 1K JA 1/16W		R1863	3012249019	MT-GLAZE 10K JA 1/16W	
R1043	3010375017	MT-GLAZE 0.000 ZA 1/10W		R1864	3012249019	MT-GLAZE 10K JA 1/16W	
R1044	3012249316	MT-GLAZE 1K JA 1/16W		R1867	3012249217	MT-GLAZE 15K JA 1/16W	
R1046	3012249019	MT-GLAZE 10K JA 1/16W		R1871	3012249019	MT-GLAZE 10K JA 1/16W	
R1048	3012249019	MT-GLAZE 10K JA 1/16W		R1873	3012249019	MT-GLAZE 10K JA 1/16W	
R1049	3012249316	MT-GLAZE 1K JA 1/16W		R1902	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1050	3012249316	MT-GLAZE 1K JA 1/16W		R1905	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1051	3012251418	MT-GLAZE 47K JA 1/16W		R2000	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R1052	3012637420	MT-GLAZE 75 JA 1/16W		R2002	3011506014	MT-GLAZE 0.000 ZA 1/10W	
R1053	3012942910	MT-GLAZE 560 FA 1/16W		R2003	3010375116	MT-GLAZE 10 JA 1/10W	
R1054	3012249316	MT-GLAZE 1K JA 1/16W		R2006	3012253818	MT-GLAZE 1.5K JA 1/16W	
R1055	3012261516	MT-GLAZE 0.000 ZA 1/16W		R2011	3010375116	MT-GLAZE 10 JA 1/10W	
R1056	3012261516	MT-GLAZE 0.000 ZA 1/16W		R2016	3012253818	MT-GLAZE 1.5K JA 1/16W	
R1057	3012261516	MT-GLAZE 0.000 ZA 1/16W		R2026	3012253818	MT-GLAZE 1.5K JA 1/16W	
R1060	3012249316	MT-GLAZE 1K JA 1/16W		R2036	3012248814	MT-GLAZE 100 JA 1/16W	
R1062	3012637420	MT-GLAZE 75 JA 1/16W		R2037	3012248814	MT-GLAZE 100 JA 1/16W	
R1063	3012252019	MT-GLAZE 680 JA 1/16W		R2038	3012248814	MT-GLAZE 100 JA 1/16W	
R1064	3012252019	MT-GLAZE 680 JA 1/16W		R2041	3012258110	MT-GLAZE 10 JA 1/16W	
R1065	3012249316	MT-GLAZE 1K JA 1/16W		R2042	3012258110	MT-GLAZE 10 JA 1/16W	
R1066	3012249316	MT-GLAZE 1K JA 1/16W		R2043	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1069	3012249316	MT-GLAZE 1K JA 1/16W		R2044	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1070	3012637420	MT-GLAZE 75 JA 1/16W		R2046	3012248814	MT-GLAZE 100 JA 1/16W	
R1071	3012248814	MT-GLAZE 100 JA 1/16W		R2047	3012248814	MT-GLAZE 100 JA 1/16W	
R1072	3012637420	MT-GLAZE 75 JA 1/16W		R2048	3012248814	MT-GLAZE 100 JA 1/16W	
R1075	3012637420	MT-GLAZE 75 JA 1/16W		R2049	3012248814	MT-GLAZE 100 JA 1/16W	
R1077	3012637420	MT-GLAZE 75 JA 1/16W		R272	3012250312	MT-GLAZE 33 JA 1/16W	
R1078	3012637420	MT-GLAZE 75 JA 1/16W		R279	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1079	3012637420	MT-GLAZE 75 JA 1/16W		R2892	3012248814	MT-GLAZE 100 JA 1/16W	
R1080	3012637420	MT-GLAZE 75 JA 1/16W		R300	3012249019	MT-GLAZE 10K JA 1/16W	
R1081	3012251418	MT-GLAZE 47K JA 1/16W		R302	3012995312	MT-GLAZE 12K FA 1/16W	
R1083	3012258110	MT-GLAZE 10 JA 1/16W		R303	3012249316	MT-GLAZE 1K JA 1/16W	
R1084	3012249316	MT-GLAZE 1K JA 1/16W		R304	3012249316	MT-GLAZE 1K JA 1/16W	
R1085	3012251814	MT-GLAZE 47 JA 1/16W		R305	3012943115	MT-GLAZE 1K FA 1/16W	
R1088	3012249316	MT-GLAZE 1K JA 1/16W		R306	4013427314	MT-GLAZE 23.2K FA 1/16W	
R1090	3012250213	MT-GLAZE 3.3K JA 1/16W		R307	3012637420	MT-GLAZE 75 JA 1/16W	
R1091	3012251418	MT-GLAZE 47K JA 1/16W		R308	3012637420	MT-GLAZE 75 JA 1/16W	
R1094	3012249316	MT-GLAZE 1K JA 1/16W		R309	3012249316	MT-GLAZE 1K JA 1/16W	
R1096	3012249019	MT-GLAZE 10K JA 1/16W		R310	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1099	3012409710	MT-GLAZE 820K JA 1/16W		R311	3012249316	MT-GLAZE 1K JA 1/16W	
R1101	3012248814	MT-GLAZE 100 JA 1/16W		R319	3012249019	MT-GLAZE 10K JA 1/16W	
R1105	3012261516	MT-GLAZE 0.000 ZA 1/16W		R321	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1111	3012604115	MT-GLAZE 75 JA 1/3W		R322	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1134	3012258110	MT-GLAZE 10 JA 1/16W		R326	3012258011	MT-GLAZE 330 JA 1/16W	
R1150	3011506014	MT-GLAZE 0.000 ZA 1/10W		R327	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1331	3012249415	MT-GLAZE 1M JA 1/16W		R339	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1362	3011506014	MT-GLAZE 0.000 ZA 1/10W		R341	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1364	3011506014	MT-GLAZE 0.000 ZA 1/10W		R342	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1701	3012261516	MT-GLAZE 0.000 ZA 1/16W		R343	3012250213	MT-GLAZE 3.3K JA 1/16W	
R1702	3011506014	MT-GLAZE 0.000 ZA 1/10W		R350	3012637420	MT-GLAZE 75 JA 1/16W	
R1703	3012261516	MT-GLAZE 0.000 ZA 1/16W		R353	3012637420	MT-GLAZE 75 JA 1/16W	
R1814	3012261516	MT-GLAZE 0.000 ZA 1/16W		R354	3012248814	MT-GLAZE 100 JA 1/16W	
R1816	3012250213	MT-GLAZE 3.3K JA 1/16W		R355	3012248814	MT-GLAZE 100 JA 1/16W	
R1817	3012372915	MT-GLAZE 51 JA 1/16W		R359	3012250015	MT-GLAZE 270 JA 1/16W	
R1818	3012249415	MT-GLAZE 1M JA 1/16W		R360	3012250015	MT-GLAZE 270 JA 1/16W	
R1819	3012249019	MT-GLAZE 10K JA 1/16W		R3601	3012249019	MT-GLAZE 10K JA 1/16W	
R1821	3012250213	MT-GLAZE 3.3K JA 1/16W		R3602	3012252118	MT-GLAZE 12K JA 1/16W	
R1822	3012249019	MT-GLAZE 10K JA 1/16W		R3603	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1823	3012250213	MT-GLAZE 3.3K JA 1/16W		R3604	3012249019	MT-GLAZE 10K JA 1/16W	
R1829	3012261516	MT-GLAZE 0.000 ZA 1/16W		R3605	3012248913	MT-GLAZE 100K JA 1/16W	
R1831	3012249019	MT-GLAZE 10K JA 1/16W		R3606	3012248913	MT-GLAZE 100K JA 1/16W	
R1832	3012249019	MT-GLAZE 10K JA 1/16W		R3607	3012248913	MT-GLAZE 100K JA 1/16W	
R1833	3012249019	MT-GLAZE 10K JA 1/16W		R3608	3012249019	MT-GLAZE 10K JA 1/16W	
R1834	3012249019	MT-GLAZE 10K JA 1/16W		R3609	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R1838	3012253818	MT-GLAZE 1.5K JA 1/16W		R361	3012561517	MT-GLAZE 13K JA 1/10W	
R1839	3010354111	MT-GLAZE 0.000 ZA 1/8W		R3610	3012249019	MT-GLAZE 10K JA 1/16W	
R1841	3012261516	MT-GLAZE 0.000 ZA 1/16W		R3611	3012249019	MT-GLAZE 10K JA 1/16W	
R1844	3012275612	MT-GLAZE 8.2K JA 1/16W		R3612	3012248913	MT-GLAZE 100K JA 1/16W	
R1846	3012261516	MT-GLAZE 0.000 ZA 1/16W		R3613	3012248913	MT-GLAZE 100K JA 1/16W	
R1847	3012249019	MT-GLAZE 10K JA 1/16W		R3614	3012248913	MT-GLAZE 100K JA 1/16W	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R3615	3012249019	MT-GLAZE 10K JA 1/16W		R4042	3012372519	MT-GLAZE 4.7 JA 1/16W	
R3616	3012261516	MT-GLAZE 0.000 ZA 1/16W		R405	3012727814	MT-GLAZE 100 FA 1/16W	
R3617	3012248913	MT-GLAZE 100K JA 1/16W		R406	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3618	3012248913	MT-GLAZE 100K JA 1/16W		R407	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3620	3011901710	MT-GLAZE 0.000 ZA 1W		R4072	3012248814	MT-GLAZE 100 JA 1/16W	
R3621	3012249019	MT-GLAZE 10K JA 1/16W		R4077	3012248814	MT-GLAZE 100 JA 1/16W	
R3622	3012249019	MT-GLAZE 10K JA 1/16W		R408	3012250213	MT-GLAZE 3.3K JA 1/16W	
R3623	3012249019	MT-GLAZE 10K JA 1/16W		R409	3012250213	MT-GLAZE 3.3K JA 1/16W	
R3624	3012249019	MT-GLAZE 10K JA 1/16W		R410	3012250213	MT-GLAZE 3.3K JA 1/16W	
R3625	3012249019	MT-GLAZE 10K JA 1/16W		R411	3012250213	MT-GLAZE 3.3K JA 1/16W	
R3629	3012251210	MT-GLAZE 4.7K JA 1/16W		R412	3012943016	MT-GLAZE 10K FA 1/16W	
R363	3012249316	MT-GLAZE 1K JA 1/16W		R413	3012943016	MT-GLAZE 10K FA 1/16W	
R3631	3012261516	MT-GLAZE 0.000 ZA 1/16W		R414	3012644616	MT-GLAZE 180 FA 1/10W	
R3632	3012252118	MT-GLAZE 12K JA 1/16W		R415	3012644616	MT-GLAZE 180 FA 1/10W	
R3633	3012249019	MT-GLAZE 10K JA 1/16W		R416	3012942712	MT-GLAZE 150 FA 1/16W	
R3636	3012261516	MT-GLAZE 0.000 ZA 1/16W		R417	3012942712	MT-GLAZE 150 FA 1/16W	
R3637	3012249019	MT-GLAZE 10K JA 1/16W		R418	3012727814	MT-GLAZE 100 FA 1/16W	
R3638	3012261516	MT-GLAZE 0.000 ZA 1/16W		R419	3012727814	MT-GLAZE 100 FA 1/16W	
R3639	3012248913	MT-GLAZE 100K JA 1/16W		R420	3012727814	MT-GLAZE 100 FA 1/16W	
R364	3012249316	MT-GLAZE 1K JA 1/16W		R421	3012727814	MT-GLAZE 100 FA 1/16W	
R3640	3012249019	MT-GLAZE 10K JA 1/16W		R422	3012727814	MT-GLAZE 100 FA 1/16W	
R3641	3012249316	MT-GLAZE 1K JA 1/16W		R423	3012727814	MT-GLAZE 100 FA 1/16W	
R3642	3012249019	MT-GLAZE 10K JA 1/16W		R424	3012727814	MT-GLAZE 100 FA 1/16W	
R3643	3012249019	MT-GLAZE 10K JA 1/16W		R425	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R3644	3012261516	MT-GLAZE 0.000 ZA 1/16W		R426	3012727814	MT-GLAZE 100 FA 1/16W	
R3645	3012249019	MT-GLAZE 10K JA 1/16W		R427	3012727814	MT-GLAZE 100 FA 1/16W	
R3646	3012248913	MT-GLAZE 100K JA 1/16W		R428	3012727814	MT-GLAZE 100 FA 1/16W	
R3647	3012248913	MT-GLAZE 100K JA 1/16W		R429	3012727814	MT-GLAZE 100 FA 1/16W	
R3648	3012248913	MT-GLAZE 100K JA 1/16W		R430	3012727814	MT-GLAZE 100 FA 1/16W	
R3649	3012249019	MT-GLAZE 10K JA 1/16W		R431	3012727814	MT-GLAZE 100 FA 1/16W	
R366	3012249316	MT-GLAZE 1K JA 1/16W		R432	3012727814	MT-GLAZE 100 FA 1/16W	
R371	3012258110	MT-GLAZE 10 JA 1/16W		R433	3012727814	MT-GLAZE 100 FA 1/16W	
R372	3012258110	MT-GLAZE 10 JA 1/16W		R434	3012727814	MT-GLAZE 100 FA 1/16W	
R373	3012258110	MT-GLAZE 10 JA 1/16W		R435	3012727814	MT-GLAZE 100 FA 1/16W	
R376	3012258110	MT-GLAZE 10 JA 1/16W		R436	3012727814	MT-GLAZE 100 FA 1/16W	
R378	3012249019	MT-GLAZE 10K JA 1/16W		R437	3012727814	MT-GLAZE 100 FA 1/16W	
R380	3012261516	MT-GLAZE 0.000 ZA 1/16W		R438	3012727814	MT-GLAZE 100 FA 1/16W	
R3801	3012258110	MT-GLAZE 10 JA 1/16W		R439	3012727814	MT-GLAZE 100 FA 1/16W	
R3803	3012258110	MT-GLAZE 10 JA 1/16W		R440	3012727814	MT-GLAZE 100 FA 1/16W	
R3804	3012258110	MT-GLAZE 10 JA 1/16W		R441	3012727814	MT-GLAZE 100 FA 1/16W	
R3805	3012261516	MT-GLAZE 0.000 ZA 1/16W		R442	3012727814	MT-GLAZE 100 FA 1/16W	
R381	3012261516	MT-GLAZE 0.000 ZA 1/16W		R443	3012727814	MT-GLAZE 100 FA 1/16W	
R3811	3012249316	MT-GLAZE 1K JA 1/16W		R444	3012727814	MT-GLAZE 100 FA 1/16W	
R3815	3012258110	MT-GLAZE 10 JA 1/16W		R445	3012727814	MT-GLAZE 100 FA 1/16W	
R3817	3012261516	MT-GLAZE 0.000 ZA 1/16W		R446	3012727814	MT-GLAZE 100 FA 1/16W	
R382	3012637420	MT-GLAZE 75 JA 1/16W		R447	3012249316	MT-GLAZE 1K JA 1/16W	
R383	3012261516	MT-GLAZE 0.000 ZA 1/16W		R448	3012727814	MT-GLAZE 100 FA 1/16W	
R384	3012261516	MT-GLAZE 0.000 ZA 1/16W		R449	3012727814	MT-GLAZE 100 FA 1/16W	
R385	3012249217	MT-GLAZE 15K JA 1/16W		R450	3012727814	MT-GLAZE 100 FA 1/16W	
R3856	3012249019	MT-GLAZE 10K JA 1/16W		R451	3012727814	MT-GLAZE 100 FA 1/16W	
R3857	3012249019	MT-GLAZE 10K JA 1/16W		R452	3012727814	MT-GLAZE 100 FA 1/16W	
R386	3012261516	MT-GLAZE 0.000 ZA 1/16W		R453	3012727814	MT-GLAZE 100 FA 1/16W	
R388	3012261516	MT-GLAZE 0.000 ZA 1/16W		R454	3012727814	MT-GLAZE 100 FA 1/16W	
R390	3012249613	MT-GLAZE 2.7K JA 1/16W		R455	3012727814	MT-GLAZE 100 FA 1/16W	
R391	3012250619	MT-GLAZE 5.6K JA 1/16W		R456	3012727814	MT-GLAZE 100 FA 1/16W	
R392	3012261516	MT-GLAZE 0.000 ZA 1/16W		R457	3012727814	MT-GLAZE 100 FA 1/16W	
R393	3012261516	MT-GLAZE 0.000 ZA 1/16W		R458	3012727814	MT-GLAZE 100 FA 1/16W	
R394	3011506014	MT-GLAZE 0.000 ZA 1/10W		R459	3012727814	MT-GLAZE 100 FA 1/16W	
R395	3012258110	MT-GLAZE 10 JA 1/16W		R460	3012727814	MT-GLAZE 100 FA 1/16W	
R400	3012258110	MT-GLAZE 10 JA 1/16W		R461	3012727814	MT-GLAZE 100 FA 1/16W	
R4001	3012248814	MT-GLAZE 100 JA 1/16W		R462	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R401	3012727814	MT-GLAZE 100 FA 1/16W		R463	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R4014	3012251210	MT-GLAZE 4.7K JA 1/16W		R464	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R4016	3012249514	MT-GLAZE 2.2K JA 1/16W		R465	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R4017	3012249514	MT-GLAZE 2.2K JA 1/16W		R466	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R402	3012727814	MT-GLAZE 100 FA 1/16W		R467	3012258110	MT-GLAZE 10 JA 1/16W	
R4023	3012249019	MT-GLAZE 10K JA 1/16W		R469	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R4024	3012251210	MT-GLAZE 4.7K JA 1/16W		R470	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R403	3012727814	MT-GLAZE 100 FA 1/16W		R472	3012258110	MT-GLAZE 10 JA 1/16W	
R404	3012727814	MT-GLAZE 100 FA 1/16W		R473	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R4041	3012372519	MT-GLAZE 4.7 JA 1/16W		R474	3012261516	MT-GLAZE 0.000 ZA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R477	3012261516	MT-GLAZE 0.000 ZA 1/16W		R537	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R478	3012261516	MT-GLAZE 0.000 ZA 1/16W		R540	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R479	3012261516	MT-GLAZE 0.000 ZA 1/16W		R541	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R480	3012261516	MT-GLAZE 0.000 ZA 1/16W		R543	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R481	3012261516	MT-GLAZE 0.000 ZA 1/16W		R547	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R483	3012249712	MT-GLAZE 22 JA 1/16W		R548	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R4831	3010375017	MT-GLAZE 0.000 ZA 1/10W		R553	3012942712	MT-GLAZE 150 FA 1/16W	
R4834	3012253818	MT-GLAZE 1.5K JA 1/16W		R554	3012942613	MT-GLAZE 4.7K FA 1/16W	
R484	3012249712	MT-GLAZE 22 JA 1/16W		R555	3012942613	MT-GLAZE 4.7K FA 1/16W	
R485	3012249712	MT-GLAZE 22 JA 1/16W		R558	4013429318	MT-GLAZE 360 FA 1/16W	
R486	3012249712	MT-GLAZE 22 JA 1/16W		R559	3013013718	MT-GLAZE 2K FA 1/16W	
R4862	3012251616	MT-GLAZE 390 JA 1/16W		R560	3012942613	MT-GLAZE 4.7K FA 1/16W	
R4863	3012251616	MT-GLAZE 390 JA 1/16W		R5607	3012249316	MT-GLAZE 1K JA 1/16W	
R487	3012249712	MT-GLAZE 22 JA 1/16W		R5608	3012258516	MT-GLAZE 1.8K JA 1/16W	
R488	3012249712	MT-GLAZE 22 JA 1/16W		R561	3012249316	MT-GLAZE 1K JA 1/16W	
R489	3012249712	MT-GLAZE 22 JA 1/16W		R563	3012250213	MT-GLAZE 3.3K JA 1/16W	
R490	3012261516	MT-GLAZE 0.000 ZA 1/16W		R564	3012250213	MT-GLAZE 3.3K JA 1/16W	
R491	3012261516	MT-GLAZE 0.000 ZA 1/16W		R568	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R492	3012261516	MT-GLAZE 0.000 ZA 1/16W		R569	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R493	3012261516	MT-GLAZE 0.000 ZA 1/16W		R570	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R494	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5701	3012872227	MT-GLAZE 22K FA 1/16W	
R495	3012258110	MT-GLAZE 10 JA 1/16W		R5702	3012250718	MT-GLAZE 56K JA 1/16W	
R496	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5703	3012249019	MT-GLAZE 10K JA 1/16W	
R497	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5705	3012249019	MT-GLAZE 10K JA 1/16W	
R498	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5706	3012249019	MT-GLAZE 10K JA 1/16W	
R499	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5709	3012252118	MT-GLAZE 12K JA 1/16W	
R500	3012261516	MT-GLAZE 0.000 ZA 1/16W		R571	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R501	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5712	3012533712	MT-GLAZE 0.000 ZA 1/4W	
R502	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5716	3012533712	MT-GLAZE 0.000 ZA 1/4W	
R503	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5717	3012533712	MT-GLAZE 0.000 ZA 1/4W	
R504	3012261516	MT-GLAZE 0.000 ZA 1/16W		R572	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R505	3012261516	MT-GLAZE 0.000 ZA 1/16W		R573	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R506	3012261516	MT-GLAZE 0.000 ZA 1/16W		R574	3012258110	MT-GLAZE 10 JA 1/16W	
R5067	3011506014	MT-GLAZE 0.000 ZA 1/10W		R5746	3012248814	MT-GLAZE 100 JA 1/16W	
R5068	3011506014	MT-GLAZE 0.000 ZA 1/10W		R5749	3012248814	MT-GLAZE 100 JA 1/16W	
R507	3012258110	MT-GLAZE 10 JA 1/16W		R575	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R508	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5756	3012248913	MT-GLAZE 100K JA 1/16W	
R5081	3012251210	MT-GLAZE 4.7K JA 1/16W		R5757	3012249019	MT-GLAZE 10K JA 1/16W	
R5082	3012251210	MT-GLAZE 4.7K JA 1/16W		R576	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R509	3012261516	MT-GLAZE 0.000 ZA 1/16W		R577	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R510	3012261516	MT-GLAZE 0.000 ZA 1/16W		R578	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R511	3012261516	MT-GLAZE 0.000 ZA 1/16W		R579	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R512	3012261516	MT-GLAZE 0.000 ZA 1/16W		R580	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R513	3012261516	MT-GLAZE 0.000 ZA 1/16W		R581	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R514	3012261516	MT-GLAZE 0.000 ZA 1/16W		R582	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R515	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5823	3012943214	MT-GLAZE 47K FA 1/16W	
R516	3012251210	MT-GLAZE 4.7K JA 1/16W		R5824	3012943511	MT-GLAZE 27K FA 1/16W	
R5169	3011506014	MT-GLAZE 0.000 ZA 1/10W		R5825	3012872227	MT-GLAZE 22K FA 1/16W	
R517	4013429318	MT-GLAZE 360 FA 1/16W		R583	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5170	3012250916	MT-GLAZE 82K JA 1/16W		R5831	3012248913	MT-GLAZE 100K JA 1/16W	
R5171	3012250916	MT-GLAZE 82K JA 1/16W		R5832	3012257915	MT-GLAZE 220 JA 1/16W	
R5173	3012248913	MT-GLAZE 100K JA 1/16W		R5833	3012251210	MT-GLAZE 4.7K JA 1/16W	
R5174	3012248913	MT-GLAZE 100K JA 1/16W		R5834	3012943016	MT-GLAZE 10K FA 1/16W	
R518	3013018010	MT-GLAZE 1.5K FA 1/16W		R5835	3012943511	MT-GLAZE 27K FA 1/16W	
R521	3012261516	MT-GLAZE 0.000 ZA 1/16W		R584	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5213	3012248814	MT-GLAZE 100 JA 1/16W		R5841	3012943115	MT-GLAZE 1K FA 1/16W	
R5215	3012248814	MT-GLAZE 100 JA 1/16W		R5842	3010375017	MT-GLAZE 0.000 ZA 1/10W	
R522	3012261516	MT-GLAZE 0.000 ZA 1/16W		R585	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5220	3012248814	MT-GLAZE 100 JA 1/16W		R586	3012258110	MT-GLAZE 10 JA 1/16W	
R5223	3012248814	MT-GLAZE 100 JA 1/16W		R5863	3012872227	MT-GLAZE 22K FA 1/16W	
R523	3012250213	MT-GLAZE 3.3K JA 1/16W		R5864	3012985818	MT-GLAZE 9.1K FA 1/16W	
R524	3012250213	MT-GLAZE 3.3K JA 1/16W		R5865	3012872227	MT-GLAZE 22K FA 1/16W	
R527	3012251418	MT-GLAZE 47K JA 1/16W		R587	3012249316	MT-GLAZE 1K JA 1/16W	
R530	3012261516	MT-GLAZE 0.000 ZA 1/16W		R588	3012258110	MT-GLAZE 10 JA 1/16W	
R5300	3010375017	MT-GLAZE 0.000 ZA 1/10W		R589	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5303	3012251814	MT-GLAZE 47 JA 1/16W		R590	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R531	3012261516	MT-GLAZE 0.000 ZA 1/16W		R591	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R5317	3012251814	MT-GLAZE 47 JA 1/16W		R592	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R532	3012943016	MT-GLAZE 10K FA 1/16W		R593	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R533	3012943016	MT-GLAZE 10K FA 1/16W		R594	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R534	3012248814	MT-GLAZE 100 JA 1/16W		R595	3012261516	MT-GLAZE 0.000 ZA 1/16W	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R596	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7836	3013018010	MT-GLAZE 1.5K FA 1/16W	
R597	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7837	3012942910	MT-GLAZE 560 FA 1/16W	
R598	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7838	3012994810	MT-GLAZE 2.7K FA 1/16W	
R599	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7839	3012646115	MT-GLAZE 20K FA 1/10W	
R6001	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7840	3012249514	MT-GLAZE 2.2K JA 1/16W	
R6002	3012250213	MT-GLAZE 3.3K JA 1/16W		R7841	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6003	3012250213	MT-GLAZE 3.3K JA 1/16W		R7842	3012249019	MT-GLAZE 10K JA 1/16W	
R6004	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7845	3012249316	MT-GLAZE 1K JA 1/16W	
R6007	3012284515	MT-GLAZE 2.2 JA 1/16W		R7846	3012249316	MT-GLAZE 1K JA 1/16W	
R6008	3012284515	MT-GLAZE 2.2 JA 1/16W		R7847	3012248913	MT-GLAZE 100K JA 1/16W	
R6009	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7848	3012251517	MT-GLAZE 3.9K JA 1/16W	
R6010	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7849	3012251210	MT-GLAZE 4.7K JA 1/16W	
R6011	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7850	3012943115	MT-GLAZE 1K FA 1/16W	
R6012	3012250213	MT-GLAZE 3.3K JA 1/16W		R7851	3012249316	MT-GLAZE 1K JA 1/16W	
R6015	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7852	3012251210	MT-GLAZE 4.7K JA 1/16W	
R6016	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7853	3013368818	MT-GLAZE 6.8K FA 1/16W	
R6017	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7854	3012942811	MT-GLAZE 2.2K FA 1/16W	
R6018	3012249019	MT-GLAZE 10K JA 1/16W		R7855	3012985610	MT-GLAZE 390 FA 1/16W	
R6019	3012249019	MT-GLAZE 10K JA 1/16W		R7856	3012943115	MT-GLAZE 1K FA 1/16W	
R6021	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7857	3012944112	MT-GLAZE 30K FA 1/16W	
R6022	3011901413	MT-GLAZE 0.000 ZA 1/2W		R7858	3012249019	MT-GLAZE 10K JA 1/16W	
R6023	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7859	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6801	3012250213	MT-GLAZE 3.3K JA 1/16W		R7860	3012943115	MT-GLAZE 1K FA 1/16W	
R6803	3012249019	MT-GLAZE 10K JA 1/16W		R7861	3012249316	MT-GLAZE 1K JA 1/16W	
R6804	3012250213	MT-GLAZE 3.3K JA 1/16W		R7862	3012251210	MT-GLAZE 4.7K JA 1/16W	
R6806	3012249217	MT-GLAZE 15K JA 1/16W		R7863	3013368818	MT-GLAZE 6.8K FA 1/16W	
R6807	3012349917	MT-GLAZE 6.8K JA 1/16W		R7864	3012942811	MT-GLAZE 2.2K FA 1/16W	
R6808	3012251517	MT-GLAZE 3.9K JA 1/16W		R7865	3012985610	MT-GLAZE 390 FA 1/16W	
R6809	3012250213	MT-GLAZE 3.3K JA 1/16W		R7866	3012943115	MT-GLAZE 1K FA 1/16W	
R6811	3012251517	MT-GLAZE 3.9K JA 1/16W		R7867	3012944112	MT-GLAZE 30K FA 1/16W	
R6812	3012250213	MT-GLAZE 3.3K JA 1/16W		R7868	3012249019	MT-GLAZE 10K JA 1/16W	
R6813	3012249019	MT-GLAZE 10K JA 1/16W		R7869	3012250213	MT-GLAZE 3.3K JA 1/16W	
R6822	3012249316	MT-GLAZE 1K JA 1/16W		R7870	3012943115	MT-GLAZE 1K FA 1/16W	
R6823	3012249019	MT-GLAZE 10K JA 1/16W		R7871	3012249316	MT-GLAZE 1K JA 1/16W	
R6830	3012249316	MT-GLAZE 1K JA 1/16W		R7872	3012251210	MT-GLAZE 4.7K JA 1/16W	
R6833	3012249019	MT-GLAZE 10K JA 1/16W		R7873	3013368818	MT-GLAZE 6.8K FA 1/16W	
R6835	3012249019	MT-GLAZE 10K JA 1/16W		R7874	3012942811	MT-GLAZE 2.2K FA 1/16W	
R6842	3012251210	MT-GLAZE 4.7K JA 1/16W		R7875	3012985610	MT-GLAZE 390 FA 1/16W	
R6867	3011506014	MT-GLAZE 0.000 ZA 1/10W		R7876	3012943115	MT-GLAZE 1K FA 1/16W	
R6872	3012258011	MT-GLAZE 330 JA 1/16W		R7877	3012944112	MT-GLAZE 30K FA 1/16W	
R6873	3012258011	MT-GLAZE 330 JA 1/16W		R7878	3012249019	MT-GLAZE 10K JA 1/16W	
R6874	3012249019	MT-GLAZE 10K JA 1/16W		R7879	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7100	3012249019	MT-GLAZE 10K JA 1/16W		R7880	3012943115	MT-GLAZE 1K FA 1/16W	
R7101	3012943313	MT-GLAZE 15K FA 1/16W		R7881	3012249316	MT-GLAZE 1K JA 1/16W	
R7102	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7882	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7103	3012942613	MT-GLAZE 4.7K FA 1/16W		R7883	3013368818	MT-GLAZE 6.8K FA 1/16W	
R7104	3012249019	MT-GLAZE 10K JA 1/16W		R7884	3012942811	MT-GLAZE 2.2K FA 1/16W	
R7105	3012249316	MT-GLAZE 1K JA 1/16W		R7885	3012985610	MT-GLAZE 390 FA 1/16W	
R7108	3012249316	MT-GLAZE 1K JA 1/16W		R7886	3012943115	MT-GLAZE 1K FA 1/16W	
R7109	3012251418	MT-GLAZE 47K JA 1/16W		R7887	3012944112	MT-GLAZE 30K FA 1/16W	
R7801	3012258110	MT-GLAZE 10 JA 1/16W		R7888	3012249019	MT-GLAZE 10K JA 1/16W	
R7802	3012258110	MT-GLAZE 10 JA 1/16W		R7889	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7803	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7890	3012943115	MT-GLAZE 1K FA 1/16W	
R7806	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7891	3012249316	MT-GLAZE 1K JA 1/16W	
R7807	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7892	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7808	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7893	3013368818	MT-GLAZE 6.8K FA 1/16W	
R7809	3012261516	MT-GLAZE 0.000 ZA 1/16W		R7894	3012942811	MT-GLAZE 2.2K FA 1/16W	
R7820	3012249019	MT-GLAZE 10K JA 1/16W		R7895	3012985610	MT-GLAZE 390 FA 1/16W	
R7821	3012258110	MT-GLAZE 10 JA 1/16W		R7896	3012943115	MT-GLAZE 1K FA 1/16W	
R7822	3012646115	MT-GLAZE 20K FA 1/10W		R7897	3012944112	MT-GLAZE 30K FA 1/16W	
R7823	3012994810	MT-GLAZE 2.7K FA 1/16W		R7898	3012249019	MT-GLAZE 10K JA 1/16W	
R7824	3013018010	MT-GLAZE 1.5K FA 1/16W		R7899	3012250213	MT-GLAZE 3.3K JA 1/16W	
R7825	3012942910	MT-GLAZE 560 FA 1/16W		R8001	3012645316	MT-GLAZE 2.2 JA 1/10W	
R7826	3012249316	MT-GLAZE 1K JA 1/16W		R8002	3012645316	MT-GLAZE 2.2 JA 1/10W	
R7827	3012249316	MT-GLAZE 1K JA 1/16W		R8003	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R7828	3012250213	MT-GLAZE 3.3K JA 1/16W		R8004	3012249415	MT-GLAZE 1M JA 1/16W	
R7829	3012249514	MT-GLAZE 2.2K JA 1/16W		R8008	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7831	3012248913	MT-GLAZE 100K JA 1/16W		R8009	3012251210	MT-GLAZE 4.7K JA 1/16W	
R7832	3012251210	MT-GLAZE 4.7K JA 1/16W		R801	3012249019	MT-GLAZE 10K JA 1/16W	
R7833	3012251517	MT-GLAZE 3.9K JA 1/16W		R8010	3012249316	MT-GLAZE 1K JA 1/16W	
R7835	3012258110	MT-GLAZE 10 JA 1/16W		R8014	3012251210	MT-GLAZE 4.7K JA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R8017	3012249019	MT-GLAZE 10K JA 1/16W		R8124	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8018	3012251210	MT-GLAZE 4.7K JA 1/16W		R8125	3012249019	MT-GLAZE 10K JA 1/16W	
R802	3012249316	MT-GLAZE 1K JA 1/16W		R8126	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8020	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8127	3012249019	MT-GLAZE 10K JA 1/16W	
R8022	3012251210	MT-GLAZE 4.7K JA 1/16W		R8128	3012249019	MT-GLAZE 10K JA 1/16W	
R8023	3012645316	MT-GLAZE 2.2 JA 1/10W		R8129	3012249019	MT-GLAZE 10K JA 1/16W	
R8024	3012248814	MT-GLAZE 100 JA 1/16W		R813	3012249316	MT-GLAZE 1K JA 1/16W	
R8025	3012249019	MT-GLAZE 10K JA 1/16W		R8130	3012249019	MT-GLAZE 10K JA 1/16W	
R8026	3012249019	MT-GLAZE 10K JA 1/16W		R8131	3012249019	MT-GLAZE 10K JA 1/16W	
R8027	3012249019	MT-GLAZE 10K JA 1/16W		R8132	3012249019	MT-GLAZE 10K JA 1/16W	
R8028	3012249019	MT-GLAZE 10K JA 1/16W		R8133	3012249019	MT-GLAZE 10K JA 1/16W	
R8029	3012250312	MT-GLAZE 33 JA 1/16W		R8134	3012249019	MT-GLAZE 10K JA 1/16W	
R803	3012251210	MT-GLAZE 4.7K JA 1/16W		R8135	3012249019	MT-GLAZE 10K JA 1/16W	
R8030	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8136	3012249019	MT-GLAZE 10K JA 1/16W	
R8031	3012250312	MT-GLAZE 33 JA 1/16W		R8137	3012249019	MT-GLAZE 10K JA 1/16W	
R8032	3012250312	MT-GLAZE 33 JA 1/16W		R8138	3012992410	MT-GLAZE 5.6K FA 1/16W	
R8033	3012250312	MT-GLAZE 33 JA 1/16W		R8139	3012249019	MT-GLAZE 10K JA 1/16W	
R8034	3012250312	MT-GLAZE 33 JA 1/16W		R8140	3012843326	MT-GLAZE 3K FA 1/16W	
R8035	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8147	4013667710	MT-GLAZE 80.6 FA 1/10W	
R8036	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8150	3012249019	MT-GLAZE 10K JA 1/16W	
R8037	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8151	3012249019	MT-GLAZE 10K JA 1/16W	
R8038	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8157	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8039	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8158	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R804	3012249019	MT-GLAZE 10K JA 1/16W		R8159	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8040	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8160	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8043	3012251418	MT-GLAZE 47K JA 1/16W		R8161	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8044	3012251418	MT-GLAZE 47K JA 1/16W		R8162	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8045	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8166	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8046	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8167	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8047	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8168	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8048	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8169	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R805	3012251210	MT-GLAZE 4.7K JA 1/16W		R8170	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8051	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8171	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8052	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8175	3012642711	MT-GLAZE 120 FA 1/10W	
R8053	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8177	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8054	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8180	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8056	3012251418	MT-GLAZE 47K JA 1/16W		R8181	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8057	3012251418	MT-GLAZE 47K JA 1/16W		R8182	3012249019	MT-GLAZE 10K JA 1/16W	
R8059	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8183	3012249019	MT-GLAZE 10K JA 1/16W	
R806	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8184	3012249019	MT-GLAZE 10K JA 1/16W	
R8061	3012249316	MT-GLAZE 1K JA 1/16W		R8185	3012249019	MT-GLAZE 10K JA 1/16W	
R8063	9450411978	INDUCTOR,330 OHM		R8186	3012249019	MT-GLAZE 10K JA 1/16W	
R8065	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8187	3012249019	MT-GLAZE 10K JA 1/16W	
R807	3012249019	MT-GLAZE 10K JA 1/16W		R8238	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8073	3012249316	MT-GLAZE 1K JA 1/16W		R8240	3012249316	MT-GLAZE 1K JA 1/16W	
R8074	3012249316	MT-GLAZE 1K JA 1/16W		R8242	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8077	3012944419	MT-GLAZE 1.8K FA 1/16W		R8246	3012249712	MT-GLAZE 22 JA 1/16W	
R808	3012249019	MT-GLAZE 10K JA 1/16W		R8257	3012249712	MT-GLAZE 22 JA 1/16W	
R8081	3012251210	MT-GLAZE 4.7K JA 1/16W		R8260	3012249712	MT-GLAZE 22 JA 1/16W	
R8084	3012249316	MT-GLAZE 1K JA 1/16W		R8284	3012249019	MT-GLAZE 10K JA 1/16W	
R8086	3011506014	MT-GLAZE 0.000 ZA 1/10W		R8285	3012249019	MT-GLAZE 10K JA 1/16W	
R8088	3011506014	MT-GLAZE 0.000 ZA 1/10W		R8286	3012249019	MT-GLAZE 10K JA 1/16W	
R809	3012944419	MT-GLAZE 1.8K FA 1/16W		R8287	3012249019	MT-GLAZE 10K JA 1/16W	
R8091	3012253818	MT-GLAZE 1.5K JA 1/16W		R8288	3012249019	MT-GLAZE 10K JA 1/16W	
R8093	3012994919	MT-GLAZE 470 FA 1/16W		R8290	3012249019	MT-GLAZE 10K JA 1/16W	
R8094	3012251210	MT-GLAZE 4.7K JA 1/16W		R8291	3012249019	MT-GLAZE 10K JA 1/16W	
R8095	3012943214	MT-GLAZE 47K FA 1/16W		R8301	3012258011	MT-GLAZE 330 JA 1/16W	
R810	3012251210	MT-GLAZE 4.7K JA 1/16W		R8302	3012258011	MT-GLAZE 330 JA 1/16W	
R8110	3012249019	MT-GLAZE 10K JA 1/16W		R8303	3012249019	MT-GLAZE 10K JA 1/16W	
R8113	3012249019	MT-GLAZE 10K JA 1/16W		R8311	3012249712	MT-GLAZE 22 JA 1/16W	
R8114	3012249019	MT-GLAZE 10K JA 1/16W		R8313	3012249712	MT-GLAZE 22 JA 1/16W	
R8115	3012249019	MT-GLAZE 10K JA 1/16W		R8318	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8116	3012249019	MT-GLAZE 10K JA 1/16W		R8319	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8117	3012249019	MT-GLAZE 10K JA 1/16W		R8334	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8118	3012249019	MT-GLAZE 10K JA 1/16W		R8335	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8119	3012249019	MT-GLAZE 10K JA 1/16W		R8336	4013662616	MT-GLAZE 6.49K FA 1/10W	
R812	3012249316	MT-GLAZE 1K JA 1/16W		R8337	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8120	3012249019	MT-GLAZE 10K JA 1/16W		R8338	3013410616	MT-GLAZE 49.9 FA 1/16W	
R8121	3012249019	MT-GLAZE 10K JA 1/16W		R8341	3012249019	MT-GLAZE 10K JA 1/16W	
R8122	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8342	3012249019	MT-GLAZE 10K JA 1/16W	
R8123	3012249019	MT-GLAZE 10K JA 1/16W		R8347	3012261516	MT-GLAZE 0.000 ZA 1/16W	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R8351	3012249712	MT-GLAZE 22 JA 1/16W		R8542	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8354	3012249712	MT-GLAZE 22 JA 1/16W		R8543	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8355	3012253818	MT-GLAZE 1.5K JA 1/16W		R8544	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8359	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8545	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8361	3012249712	MT-GLAZE 22 JA 1/16W		R8546	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8362	3012249712	MT-GLAZE 22 JA 1/16W		R8547	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8363	3012249712	MT-GLAZE 22 JA 1/16W		R8548	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8376	3012249910	MT-GLAZE 22K JA 1/16W		R8549	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8377	3012249910	MT-GLAZE 22K JA 1/16W		R8550	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8410	3012249019	MT-GLAZE 10K JA 1/16W		R8551	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8411	3012249019	MT-GLAZE 10K JA 1/16W		R8552	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8412	3012249019	MT-GLAZE 10K JA 1/16W		R8553	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8443	3012249316	MT-GLAZE 1K JA 1/16W		R8554	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8455	3012249019	MT-GLAZE 10K JA 1/16W		R8558	3012249712	MT-GLAZE 22 JA 1/16W	
R8456	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8559	3012249712	MT-GLAZE 22 JA 1/16W	
R8457	3012943016	MT-GLAZE 10K FA 1/16W		R8560	3012249712	MT-GLAZE 22 JA 1/16W	
R8458	3012985818	MT-GLAZE 9.1K FA 1/16W		R8561	3012249712	MT-GLAZE 22 JA 1/16W	
R8459	3012349917	MT-GLAZE 6.8K JA 1/16W		R8562	3012249712	MT-GLAZE 22 JA 1/16W	
R8470	3012943016	MT-GLAZE 10K FA 1/16W		R8563	3012249712	MT-GLAZE 22 JA 1/16W	
R8471	3012995114	MT-GLAZE 6.2K FA 1/16W		R8564	3012249712	MT-GLAZE 22 JA 1/16W	
R8472	3012942910	MT-GLAZE 560 FA 1/16W		R8565	3012249712	MT-GLAZE 22 JA 1/16W	
R8473	3012349917	MT-GLAZE 6.8K JA 1/16W		R8572	3012249019	MT-GLAZE 10K JA 1/16W	
R8476	3012943511	MT-GLAZE 27K FA 1/16W		R8573	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8477	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8575	3012249019	MT-GLAZE 10K JA 1/16W	
R8478	3012252118	MT-GLAZE 12K JA 1/16W		R8576	3012843326	MT-GLAZE 3K FA 1/16W	
R8480	3012249019	MT-GLAZE 10K JA 1/16W		R8600	3012249316	MT-GLAZE 1K JA 1/16W	
R8481	3012249019	MT-GLAZE 10K JA 1/16W		R8601	3012249316	MT-GLAZE 1K JA 1/16W	
R8482	3012249019	MT-GLAZE 10K JA 1/16W		R8612	3012248913	MT-GLAZE 100K JA 1/16W	
R8483	3012943016	MT-GLAZE 10K FA 1/16W		R8614	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8484	3012994919	MT-GLAZE 470 FA 1/16W		R8679	3012248913	MT-GLAZE 100K JA 1/16W	
R8486	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8682	3012249712	MT-GLAZE 22 JA 1/16W	
R8487	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8683	3012249712	MT-GLAZE 22 JA 1/16W	
R8488	3012249019	MT-GLAZE 10K JA 1/16W		R8684	3012249712	MT-GLAZE 22 JA 1/16W	
R8490	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8685	3012249712	MT-GLAZE 22 JA 1/16W	
R8491	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8703	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8492	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8704	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8493	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8801	3012252118	MT-GLAZE 12K JA 1/16W	
R8500	3012250312	MT-GLAZE 33 JA 1/16W		R8802	3012251517	MT-GLAZE 3.9K JA 1/16W	
R8504	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8803	3012249118	MT-GLAZE 150 JA 1/16W	
R8505	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8805	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8506	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8812	3012258110	MT-GLAZE 10 JA 1/16W	
R8507	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8821	3012258110	MT-GLAZE 10 JA 1/16W	
R8508	3012261516	MT-GLAZE 0.000 ZA 1/16W		R8861	3012258110	MT-GLAZE 10 JA 1/16W	
R8509	3012249019	MT-GLAZE 10K JA 1/16W		R8864	3012258110	MT-GLAZE 10 JA 1/16W	
R851	3012249316	MT-GLAZE 1K JA 1/16W		R900	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8511	3012250312	MT-GLAZE 33 JA 1/16W		R901	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8512	3012250312	MT-GLAZE 33 JA 1/16W		R902	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8513	3012250312	MT-GLAZE 33 JA 1/16W		R903	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8514	3012249019	MT-GLAZE 10K JA 1/16W		R904	3012249316	MT-GLAZE 1K JA 1/16W	
R8515	3012249019	MT-GLAZE 10K JA 1/16W		R905	3012251210	MT-GLAZE 4.7K JA 1/16W	
R8516	3012249019	MT-GLAZE 10K JA 1/16W		R906	4013429318	MT-GLAZE 360 FA 1/16W	
R8517	3012261516	MT-GLAZE 0.000 ZA 1/16W		R907	3013018010	MT-GLAZE 1.5K FA 1/16W	
R8518	3012261516	MT-GLAZE 0.000 ZA 1/16W		R908	3012943016	MT-GLAZE 10K FA 1/16W	
R8519	3012261516	MT-GLAZE 0.000 ZA 1/16W		R909	3012872227	MT-GLAZE 22K FA 1/16W	
R852	3012251210	MT-GLAZE 4.7K JA 1/16W		R910	3012943511	MT-GLAZE 27K FA 1/16W	
R8523	3012251210	MT-GLAZE 4.7K JA 1/16W		R912	3012943214	MT-GLAZE 47K FA 1/16W	
R8524	4013662418	MT-GLAZE 54.9K FA 1/16W		R913	3012249316	MT-GLAZE 1K JA 1/16W	
R8525	3012261516	MT-GLAZE 0.000 ZA 1/16W		R914	3012943016	MT-GLAZE 10K FA 1/16W	
R8527	3012249019	MT-GLAZE 10K JA 1/16W		R916	3012249019	MT-GLAZE 10K JA 1/16W	
R8528	3012251210	MT-GLAZE 4.7K JA 1/16W		R917	3012249712	MT-GLAZE 22 JA 1/16W	
R8529	3012249019	MT-GLAZE 10K JA 1/16W		R918	3012249316	MT-GLAZE 1K JA 1/16W	
R8532	3012261516	MT-GLAZE 0.000 ZA 1/16W		R919	3012249316	MT-GLAZE 1K JA 1/16W	
R8533	3012261516	MT-GLAZE 0.000 ZA 1/16W		R921	3013025414	MT-GLAZE 220 FA 1/16W	
R8534	3012261516	MT-GLAZE 0.000 ZA 1/16W		R922	3013025414	MT-GLAZE 220 FA 1/16W	
R8535	3012261516	MT-GLAZE 0.000 ZA 1/16W		R923	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8536	3012261516	MT-GLAZE 0.000 ZA 1/16W		R924	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8537	3012261516	MT-GLAZE 0.000 ZA 1/16W		R926	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8538	3012261516	MT-GLAZE 0.000 ZA 1/16W		R927	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8539	3012261516	MT-GLAZE 0.000 ZA 1/16W		R928	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8540	3012261516	MT-GLAZE 0.000 ZA 1/16W		R929	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R8541	3012261516	MT-GLAZE 0.000 ZA 1/16W		R930	3012261516	MT-GLAZE 0.000 ZA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R931	3012261516	MT-GLAZE 0.000 ZA 1/16W		RB8012	9450370824	R-NETWORK 22X4 1/16W	
R932	3012261516	MT-GLAZE 0.000 ZA 1/16W		RB8014	9450370824	R-NETWORK 22X4 1/16W	
R933	3012261516	MT-GLAZE 0.000 ZA 1/16W		RB8022	9450370824	R-NETWORK 22X4 1/16W	
R935	3012261516	MT-GLAZE 0.000 ZA 1/16W		RB8024	9450370824	R-NETWORK 22X4 1/16W	
R936	3012351415	MT-GLAZE 1.2K JA 1/16W		RB8026	9450370824	R-NETWORK 22X4 1/16W	
R937	3012251210	MT-GLAZE 4.7K JA 1/16W		RB8028	9450370824	R-NETWORK 22X4 1/16W	
R938	3012251210	MT-GLAZE 4.7K JA 1/16W		RB8029	9450370824	R-NETWORK 22X4 1/16W	
R939	3012250213	MT-GLAZE 3.3K JA 1/16W		RB8301	9450280710	R-NETWORK 10KX4 1/16W	
R941	3012248814	MT-GLAZE 100 JA 1/16W		RB8302	9450370824	R-NETWORK 22X4 1/16W	
R943	3012261516	MT-GLAZE 0.000 ZA 1/16W		RB8317	6450720604	IMPEDANCE,120 OHM P	
R945	3012261516	MT-GLAZE 0.000 ZA 1/16W		RB8318	6450720604	IMPEDANCE,120 OHM P	
R9611	3012250213	MT-GLAZE 3.3K JA 1/16W		RB8319	6450720604	IMPEDANCE,120 OHM P	
R9612	3012250213	MT-GLAZE 3.3K JA 1/16W		RB8320	6450720604	IMPEDANCE,120 OHM P	
R9613	3012250213	MT-GLAZE 3.3K JA 1/16W		RB8321	6450720604	IMPEDANCE,120 OHM P	
R9631	3012249316	MT-GLAZE 1K JA 1/16W		RB8322	6450720604	IMPEDANCE,120 OHM P	
R9632	3012249019	MT-GLAZE 10K JA 1/16W		SC1001	9450763503	SURGE-ABSORBER	
R9633	3012251210	MT-GLAZE 4.7K JA 1/16W		SC1011	9450763503	SURGE-ABSORBER	
R9634	3012253818	MT-GLAZE 1.5K JA 1/16W		SC1021	9450763503	SURGE-ABSORBER	
R9755	3012249316	MT-GLAZE 1K JA 1/16W		SC1030	9450763503	SURGE-ABSORBER	
R9871	3012293913	MT-GLAZE 180 JA 1/16W		SC1041	9450763503	SURGE-ABSORBER	
R9872	3012293913	MT-GLAZE 180 JA 1/16W		SC1051	9450763503	SURGE-ABSORBER	
R9873	3012249019	MT-GLAZE 10K JA 1/16W		SC1061	9450763503	SURGE-ABSORBER	
R9875	3012249019	MT-GLAZE 10K JA 1/16W		SC1071	9450763503	SURGE-ABSORBER	
R9876	3012258110	MT-GLAZE 10 JA 1/16W		SC1081	9450763503	SURGE-ABSORBER	
R9877	3012258011	MT-GLAZE 330 JA 1/16W		SC1091	9450763503	SURGE-ABSORBER	
R9882	3012258110	MT-GLAZE 10 JA 1/16W		SC5608	9450763503	SURGE-ABSORBER	
R9884	3012261516	MT-GLAZE 0.000 ZA 1/16W		SC8001	9450763503	SURGE-ABSORBER	
R9888	3012249316	MT-GLAZE 1K JA 1/16W		SC8002	9450763503	SURGE-ABSORBER	
R9889	3012258110	MT-GLAZE 10 JA 1/16W		SW6801	9450262792	SWITCH,PUSH 1P-1TX1	
R9890	3012258110	MT-GLAZE 10 JA 1/16W		SW6802	9450262792	SWITCH,PUSH 1P-1TX1	
R9891	3012258110	MT-GLAZE 10 JA 1/16W		SW6803	9450262792	SWITCH,PUSH 1P-1TX1	
R9892	3012249019	MT-GLAZE 10K JA 1/16W		SW6804	9450262792	SWITCH,PUSH 1P-1TX1	
R9893	3012249019	MT-GLAZE 10K JA 1/16W		SW6806	9450262792	SWITCH,PUSH 1P-1TX1	
R9894	3012249019	MT-GLAZE 10K JA 1/16W		SW6807	9450262792	SWITCH,PUSH 1P-1TX1	
R9896	3012261516	MT-GLAZE 0.000 ZA 1/16W		SW6808	9450262792	SWITCH,PUSH 1P-1TX1	
R9897	3012293913	MT-GLAZE 180 JA 1/16W		SW6810	9450262792	SWITCH,PUSH 1P-1TX1	
R9898	3012258011	MT-GLAZE 330 JA 1/16W		SW6811	9450262792	SWITCH,PUSH 1P-1TX1	
R9899	3012293913	MT-GLAZE 180 JA 1/16W		X1331	6451026934	OSC,CRYSTAL 27.000MHZ	
R9901	3012248814	MT-GLAZE 100 JA 1/16W		X1801	6450928857	OSC,CRYSTAL 48MHZ	
R9902	3012248913	MT-GLAZE 100K JA 1/16W		X401	6451052414	OSC,CRYSTAL 33.8688MHZ	
R9903	3012248913	MT-GLAZE 100K JA 1/16W		X8001	6451026934	OSC,CRYSTAL 27.000MHZ	
R9904	3012248913	MT-GLAZE 100K JA 1/16W		X8002	9450374600	OSC,CRYSTAL 32.768KHZ	
R9905	3012248814	MT-GLAZE 100 JA 1/16W		X8003	6451026934	OSC,CRYSTAL 27.000MHZ	
R9907	3012248814	MT-GLAZE 100 JA 1/16W		XL8301	9450688318	FILTER,EMI 100MHZ	
R9908	3012248814	MT-GLAZE 100 JA 1/16W		XL8302	9450688318	FILTER,EMI 100MHZ	
R9909	3012248814	MT-GLAZE 100 JA 1/16W		ZD2896	3072091214	ZD UDZS-TE-176.2B	
R9914	3012249019	MT-GLAZE 10K JA 1/16W		ZD2897	3072091214	ZD UDZS-TE-176.2B	
R9915	3012249019	MT-GLAZE 10K JA 1/16W		ZD2898	3072091214	ZD UDZS-TE-176.2B	
R9916	3012249019	MT-GLAZE 10K JA 1/16W		ZD5702	3072091214	ZD UDZS-TE-176.2B	
R9917	3012261516	MT-GLAZE 0.000 ZA 1/16W		ZD5703	3072091214	ZD UDZS-TE-176.2B	
R9918	3012258110	MT-GLAZE 10 JA 1/16W					
R9927	3012261516	MT-GLAZE 0.000 ZA 1/16W					
RB401	9450370817	R-NETWORK 0X4 1/16W		A1001 6550053572 ASSY,PWB ,RC KZ4AC			
RB402	9450370817	R-NETWORK 0X4 1/16W					
RB403	9450370817	R-NETWORK 0X4 1/16W					
RB404	9450370817	R-NETWORK 0X4 1/16W		A2901	6451049766	UNIT,REMOCON RECEIVER	
RB405	9450370817	R-NETWORK 0X4 1/16W		C2901	4034551012	CERAMIC 1U K 10V	
RB406	9450370817	R-NETWORK 0X4 1/16W		C2902	3032825118	CERAMIC 470P K 50V	
RB408	9450370817	R-NETWORK 0X4 1/16W		C2903	3033583215	CERAMIC 10U K 6.3V	
RB409	9450370817	R-NETWORK 0X4 1/16W		C8836	3034093426	CERAMIC 0.1U K 16V	
RB410	9450370817	R-NETWORK 0X4 1/16W		IC8811	4106544802	IC ADT75BRMZ-REEL	
RB411	9450370817	R-NETWORK 0X4 1/16W		R2901	3012251814	MT-GLAZE 47 JA 1/16W	
RB8000	9450370824	R-NETWORK 22X4 1/16W		R2902	3012258110	MT-GLAZE 10 JA 1/16W	
RB8001	9450490690	R-NETWORK 33X4 1/16W		R2903	3012248814	MT-GLAZE 100 JA 1/16W	
RB8002	9450490690	R-NETWORK 33X4 1/16W		R2904	3012258110	MT-GLAZE 10 JA 1/16W	
RB8003	9450490690	R-NETWORK 33X4 1/16W					
RB8004	9450490690	R-NETWORK 33X4 1/16W		A1002 6550053589 ASSY,PWB ,ID CONNECT KZ4AC			
RB8006	9450490690	R-NETWORK 33X4 1/16W					
RB8007	9450490690	R-NETWORK 33X4 1/16W					
RB8008	9450490690	R-NETWORK 33X4 1/16W		L8731	9450866037	IMPEDANCE,330 OHM P	
RB8010	9450370824	R-NETWORK 22X4 1/16W					

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
L8732	9450866037	IMPEDANCE,330 OHM P		C5060	3033583215	CERAMIC 10U K 6.3V	
L8733	9450866037	IMPEDANCE,330 OHM P		C5061	4034551616	CERAMIC 10U K 16V	
L8734	9450866037	IMPEDANCE,330 OHM P		C5062	3034093426	CERAMIC 0.1U K 16V	
L8737	9450866037	IMPEDANCE,330 OHM P		C5063	3034093426	CERAMIC 0.1U K 16V	
R8738	3012261516	MT-GLAZE 0.000 ZA 1/16W		C5066	3034093426	CERAMIC 0.1U K 16V	
AA200 6550053121 ASSY, PWB, AV KJ4CC				C5069	4034551616	CERAMIC 10U K 16V	
C001	4034670911	CERAMIC 0.1U K 25V		C5070	3032946110	CERAMIC 100P J 50V	
C002	4034549217	CERAMIC 0.47U K 25V		C5071	3032946110	CERAMIC 100P J 50V	
C005	4034549217	CERAMIC 0.47U K 25V		C5075	4034551012	CERAMIC 1U K 10V	
C006	4034670911	CERAMIC 0.1U K 25V		D001	3072350816	DIODE 1SS387 TPL3	
C007	3033969613	CERAMIC 1U K 25V		D002	3072350816	DIODE 1SS387 TPL3	
C008	3033969613	CERAMIC 1U K 25V		D2074	3072350816	DIODE 1SS387 TPL3	
C009	3033969613	CERAMIC 1U K 25V		D5003	3072105416	DIODE RB551V-30-TE-17	
C010	3033827814	CERAMIC 2.2U K 10V		D5021	3072350816	DIODE 1SS387 TPL3	
C011	3033969613	CERAMIC 1U K 25V		D5061	3072350816	DIODE 1SS387 TPL3	
C018	3033969613	CERAMIC 1U K 25V		D5062	3072350816	DIODE 1SS387 TPL3	
C019	3033969613	CERAMIC 1U K 25V		IC001	4107311908	IC TPA3111D1PWPR	
C020	3033763112	ELECT 100U M 25V		IC5001	4107188708	IC TLV320AIC3105IRHBR	
C021	3033763112	ELECT 100U M 25V		IC5002	3094385513	IC TC4052BFT	
C2051	3032946110	CERAMIC 100P J 50V		IC5003	3090397817	IC NJM4558M-TE2	
C2052	3032946110	CERAMIC 100P J 50V		K20A	6520037441	SOCKET,D-SUB 9P	
C2072	3033827814	CERAMIC 2.2U K 10V		K20B	9520014740	SOCKET,DIN 4P	
C2073	3034093426	CERAMIC 0.1U K 16V		K30A	9520010070	JACK,PHONE D3.6	
C3001	3032946110	CERAMIC 100P J 50V		K30B	9520010070	JACK,PHONE D3.6	
C3011	3032946110	CERAMIC 100P J 50V		K30C	9520010070	JACK,PHONE D3.6	
C3021	3032946110	CERAMIC 100P J 50V		K50A	9520015655	JACK,RCA-3	
C3031	3032946110	CERAMIC 100P J 50V		L003	6520028500	INDUCTOR 330OHM, P	
C3051	3034540910	CERAMIC 100P J 50V		L011	9450622855	INDUCTOR,33U M	
C3061	3034540910	CERAMIC 100P J 50V		L012	9450622855	INDUCTOR,33U M	
C5001	3033969613	CERAMIC 1U K 25V		L2001	9450867577	FILTER,EMI 400MHZ	
C5002	3033969613	CERAMIC 1U K 25V		L5602	9450406455	INDUCTOR,4.7U M	
C5021	3033969613	CERAMIC 1U K 25V		L5611	6520028500	INDUCTOR 330OHM, P	
C5022	3034093426	CERAMIC 0.1U K 16V		L5612	9450866600	IMPEDANCE,220 OHM P	
C5023	3031396916	CERAMIC 1P C 50V		Q031	3052177815	TR HN1B04FE-Y TE85L	
C5024	3033969613	CERAMIC 1U K 25V		Q2071	4060217804	TR 2SC4617	
C5025	3033969613	CERAMIC 1U K 25V		Q5021	4060217804	TR 2SC4617	
C5026	3033969613	CERAMIC 1U K 25V		Q5030	4060217804	TR 2SC4617	
C5027	4034551012	CERAMIC 1U K 10V		Q5031	4052217914	TR HN1C01FE-Y	
C5028	4034551012	CERAMIC 1U K 10V		Q5032	3051472218	TR 2SA1037AK-S-T146	
C5029	4034551012	CERAMIC 1U K 10V		Q5033	3051472218	TR 2SA1037AK-S-T146	
C5030	4034551012	CERAMIC 1U K 10V		Q5035	4052217914	TR HN1C01FE-Y	
C5031	4034551012	CERAMIC 1U K 10V		Q5036	3052177815	TR HN1B04FE-Y TE85L	
C5032	3031396916	CERAMIC 1P C 50V		Q5037	3051472218	TR 2SA1037AK-S-T146	
C5033	3031396916	CERAMIC 1P C 50V		Q5060	4060217804	TR 2SC4617	
C5034	4034551012	CERAMIC 1U K 10V		Q5061	4052217914	TR HN1C01FE-Y	
C5035	4034551012	CERAMIC 1U K 10V		Q5062	4052217914	TR HN1C01FE-Y	
C5036	4034551012	CERAMIC 1U K 10V		R001	3012249316	MT-GLAZE 1K JA 1/16W	
C5037	3031396916	CERAMIC 1P C 50V		R002	3012250510	MT-GLAZE 33K JA 1/16W	
C5038	3034540613	CERAMIC 10000P K 50V		R003	3012652611	MT-GLAZE 5.1K FA 1/10W	
C5039	3034540613	CERAMIC 10000P K 50V		R004	3012642711	MT-GLAZE 120 FA 1/10W	
C5040	3034093426	CERAMIC 0.1U K 16V		R009	3012649314	MT-GLAZE 3.3K FA 1/10W	
C5042	4034551012	CERAMIC 1U K 10V		R010	3012293913	MT-GLAZE 180 JA 1/16W	
C5043	4034551012	CERAMIC 1U K 10V		R011	3012560312	MT-GLAZE 820 JA 1/10W	
C5044	3034093426	CERAMIC 0.1U K 16V		R012	3012261516	MT-GLAZE 0.000 ZA 1/16W	
C5045	3033583215	CERAMIC 10U K 6.3V		R013	3011505819	MT-GLAZE 100K JA 1/10W	
C5046	4034551012	CERAMIC 1U K 10V		R014	3012261516	MT-GLAZE 0.000 ZA 1/16W	
C5047	3034093426	CERAMIC 0.1U K 16V		R016	3011506014	MT-GLAZE 0.000 ZA 1/10W	
C5048	3034093426	CERAMIC 0.1U K 16V		R017	3011506014	MT-GLAZE 0.000 ZA 1/10W	
C5049	3034093426	CERAMIC 0.1U K 16V		R018	3011506014	MT-GLAZE 0.000 ZA 1/10W	
C5050	3034093426	CERAMIC 0.1U K 16V		R022	3012261516	MT-GLAZE 0.000 ZA 1/16W	
C5051	3034093426	CERAMIC 0.1U K 16V		R031	3012249019	MT-GLAZE 10K JA 1/16W	
C5052	4041290901	ELECT 100U M 6.3V		R032	3012249019	MT-GLAZE 10K JA 1/16W	
C5053	4034670911	CERAMIC 0.1U K 25V		R033	3012249019	MT-GLAZE 10K JA 1/16W	
C5054	3034374614	CERAMIC 10U K 25V		R034	3012251210	MT-GLAZE 4.7K JA 1/16W	
C5055	3034374614	CERAMIC 10U K 25V		R2001	3012562712	MT-GLAZE 75 JA 1/10W	
C5058	4034551012	CERAMIC 1U K 10V		R2008	3011506014	MT-GLAZE 0.000 ZA 1/10W	
C5059	4034551012	CERAMIC 1U K 10V		R2015	3012562712	MT-GLAZE 75 JA 1/10W	
				R2025	3012562712	MT-GLAZE 75 JA 1/10W	
				R2051	3011505819	MT-GLAZE 100K JA 1/10W	
				R2052	3011505819	MT-GLAZE 100K JA 1/10W	
				R2071	3012248913	MT-GLAZE 100K JA 1/16W	

Electrical Parts List

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R2072	3012248913	MT-GLAZE 100K JA 1/16W		R5073	3012261516	MT-GLAZE 0.000 ZA 1/16W	
R2073	3012249415	MT-GLAZE 1M JA 1/16W		R5075	3012249514	MT-GLAZE 2.2K JA 1/16W	
R2074	3012872227	MT-GLAZE 22K FA 1/16W		R5078	3012251210	MT-GLAZE 4.7K JA 1/16W	
R2076	3012248814	MT-GLAZE 100 JA 1/16W		R5079	3012250213	MT-GLAZE 3.3K JA 1/16W	
R2078	3012261516	MT-GLAZE 0.000 ZA 1/16W		R5606	3011622219	MT-GLAZE 10 JA 1/10W	
R2080	3012261516	MT-GLAZE 0.000 ZA 1/16W		SC2001	9450763503	SURGE-ABSORBER	
R2081	3012261516	MT-GLAZE 0.000 ZA 1/16W		SC2011	9450763503	SURGE-ABSORBER	
R2083	3012261516	MT-GLAZE 0.000 ZA 1/16W		SC2021	9450763503	SURGE-ABSORBER	
R3001	3011505819	MT-GLAZE 100K JA 1/10W		SC2051	9450763503	SURGE-ABSORBER	
R3011	3011505819	MT-GLAZE 100K JA 1/10W		SC2052	9450763503	SURGE-ABSORBER	
R3021	3011505819	MT-GLAZE 100K JA 1/10W		SC2061	9450763503	SURGE-ABSORBER	
R3022	3012556513	MT-GLAZE 100 JA 1/10W		SC2062	9450763503	SURGE-ABSORBER	
R3023	3012556513	MT-GLAZE 100 JA 1/10W		SC2063	9450763503	SURGE-ABSORBER	
R3031	3011505819	MT-GLAZE 100K JA 1/10W		SC3001	9450763503	SURGE-ABSORBER	
R3051	3011505819	MT-GLAZE 100K JA 1/10W		SC3011	9450763503	SURGE-ABSORBER	
R3061	3012556513	MT-GLAZE 100 JA 1/10W		SC3021	9450763503	SURGE-ABSORBER	
R3063	3011505819	MT-GLAZE 100K JA 1/10W		SC3031	9450763503	SURGE-ABSORBER	
R3064	3012556513	MT-GLAZE 100 JA 1/10W		SC3051	9450763503	SURGE-ABSORBER	
R5001	3012872227	MT-GLAZE 22K FA 1/16W		SC3061	9450763503	SURGE-ABSORBER	
R5002	3012872227	MT-GLAZE 22K FA 1/16W		X5001	6451038722	OSC,CRYSTAL 12.288MHZ	
R5003	3012872227	MT-GLAZE 22K FA 1/16W					
R5004	3012872227	MT-GLAZE 22K FA 1/16W					
R5005	3012994810	MT-GLAZE 2.7K FA 1/16W					
R5006	3012942811	MT-GLAZE 2.2K FA 1/16W					
R5007	3012252019	MT-GLAZE 680 JA 1/16W					
R5010	3012994810	MT-GLAZE 2.7K FA 1/16W					
R5011	3012942811	MT-GLAZE 2.2K FA 1/16W					
R5012	3012252019	MT-GLAZE 680 JA 1/16W					
R5013	3012249910	MT-GLAZE 22K JA 1/16W					
R5014	3012249910	MT-GLAZE 22K JA 1/16W					
R5017	3012249316	MT-GLAZE 1K JA 1/16W					
R5018	3012249316	MT-GLAZE 1K JA 1/16W					
R5019	3012258110	MT-GLAZE 10 JA 1/16W					
R5020	3011622219	MT-GLAZE 10 JA 1/10W					
R5021	3012248913	MT-GLAZE 100K JA 1/16W					
R5022	3012258011	MT-GLAZE 330 JA 1/16W					
R5023	3012248913	MT-GLAZE 100K JA 1/16W					
R5024	3012944112	MT-GLAZE 30K FA 1/16W					
R5025	3012261516	MT-GLAZE 0.000 ZA 1/16W					
R5026	3012943313	MT-GLAZE 15K FA 1/16W					
R5027	3012943313	MT-GLAZE 15K FA 1/16W					
R5028	3012261516	MT-GLAZE 0.000 ZA 1/16W					
R5029	3012944112	MT-GLAZE 30K FA 1/16W					
R5030	3012261516	MT-GLAZE 0.000 ZA 1/16W					
R5033	3012250213	MT-GLAZE 3.3K JA 1/16W					
R5034	3012249316	MT-GLAZE 1K JA 1/16W					
R5035	3012261516	MT-GLAZE 0.000 ZA 1/16W					
R5036	3012250213	MT-GLAZE 3.3K JA 1/16W					
R5037	3012249316	MT-GLAZE 1K JA 1/16W					
R5039	3012248814	MT-GLAZE 100 JA 1/16W					
R5040	3012248814	MT-GLAZE 100 JA 1/16W					
R5041	3012251210	MT-GLAZE 4.7K JA 1/16W					
R5042	3012249019	MT-GLAZE 10K JA 1/16W					
R5043	3012251210	MT-GLAZE 4.7K JA 1/16W					
R5046	3012249019	MT-GLAZE 10K JA 1/16W					
R5047	3012249613	MT-GLAZE 2.7K JA 1/16W					
R5048	3012249316	MT-GLAZE 1K JA 1/16W					
R5049	3012251210	MT-GLAZE 4.7K JA 1/16W					
R5050	3012943511	MT-GLAZE 27K FA 1/16W					
R5055	3012251210	MT-GLAZE 4.7K JA 1/16W					
R5057	3012261516	MT-GLAZE 0.000 ZA 1/16W					
R5060	3012251210	MT-GLAZE 4.7K JA 1/16W					
R5061	3012248814	MT-GLAZE 100 JA 1/16W					
R5062	3012250213	MT-GLAZE 3.3K JA 1/16W					
R5063	3012249316	MT-GLAZE 1K JA 1/16W					
R5064	3012248814	MT-GLAZE 100 JA 1/16W					
R5065	3012251210	MT-GLAZE 4.7K JA 1/16W					
R5066	3012250213	MT-GLAZE 3.3K JA 1/16W					
R5067	3012249316	MT-GLAZE 1K JA 1/16W					
R5069	3011506014	MT-GLAZE 0.000 ZA 1/10W					
R5070	3012258011	MT-GLAZE 330 JA 1/16W					
				A6000 6550051486 ASSY,PWB,POWER KJ4AC			
				△ C610	3041049502	CERAMIC 1500P M 250V	
				C611	3033718518	MT-POLYEST 1U K 400V	
				△ C612	3041049502	CERAMIC 1500P M 250V	
				C613	3034107113	ELECT 100U M 25V	
				C614	3034107113	ELECT 100U M 25V	
				△ C616	4041296002	ELECT 330U M 450V	
				C619	3032989612	CERAMIC 0.1U K 16V	
				C620	3032247019	CERAMIC 0.047U Z 50V	
				C621	3032052811	CERAMIC 0.047U K 25V	
				C622	3031576417	CERAMIC 330P K 50V	
				C623	3032152214	CERAMIC 0.01U K 50V	
				C624	3033423313	CERAMIC 0.1U K 25V	
				C625	3033945815	CERAMIC 4.7U K 16V	
				C627	3040912609	CERAMIC 0.1U K 50V	
				C628	3031573317	CERAMIC 68P J 50V	
				C629	3031576615	CERAMIC 470P K 50V	
				C630	3033423313	CERAMIC 0.1U K 25V	
				C631	3032989612	CERAMIC 0.1U K 16V	
				C632	3033423313	CERAMIC 0.1U K 25V	
				C633	3033423313	CERAMIC 0.1U K 25V	
				C634	3031576813	CERAMIC 680P K 50V	
				C635	3034099913	ELECT 470U M 16V	
				C636	3034271814	MT-POLYEST 0.1U K 450V	
				C637	4034776514	MT-POLYEST 0.01U J 630V	
				C640	3034107113	ELECT 100U M 25V	
				C641	3032152214	CERAMIC 0.01U K 50V	
				C642	4041286300	ELECT 15U M 450V	
				C643	4034551418	CERAMIC 2.2U K 16V	
				C644	4033675917	CERAMIC 100P K 1K	
				C645	4034803319	CERAMIC 10P D 1K	
				C646	4034803319	CERAMIC 10P D 1K	
				C647	4034823911	POLYPRO 0.022U J 400V	
				C648	3041081007	ELECT 100U M 35V	
				C650	3033423313	CERAMIC 0.1U K 25V	
				C654	4034549217	CERAMIC 0.47U K 25V	
				C655	3040912609	CERAMIC 0.1U K 50V	
				C656	3033423313	CERAMIC 0.1U K 25V	
				C658	3032473319	CERAMIC 330P K 2K	
				C659	3041081007	ELECT 100U M 35V	
				C661	3034007304	ELECT 47U M 25V	
				C662	4034686219	ELECT 1500U M 25V	
				C679	3033423313	CERAMIC 0.1U K 25V	
				C680	3033709110	CERAMIC 0.068U K 50V	
				C681	4034686219	ELECT 1500U M 25V	
				C682	3033423313	CERAMIC 0.1U K 25V	
				C683	4034453940	ELECT 3900U M 10V	

Electrical Parts List

PT-VX505NU/PT-VX505NE/PT-VX505NEA
PT-VW435NU/PT-VW435NE/PT-VW435NEA

Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
C684	3033423313	CERAMIC 0.1U K 25V		Q605C	6520026520	CORE,PIPE	
C685	3033992126	ELECT 220U M 16V		Q607	3051739816	TR 2SC3928A1R	
C686	3033485826	CERAMIC 0.47U K 10V		Q608	3051739816	TR 2SC3928A1R	
C688	3033423313	CERAMIC 0.1U K 25V		Q609	3051472218	TR 2SA1037AK-S-T146	
C692	4034551418	CERAMIC 2.2U K 16V		Q613	3051472218	TR 2SA1037AK-S-T146	
C694	3031552213	CERAMIC 3300P K 50V		Q621	3051739816	TR 2SC3928A1R	
C695	3031573614	CERAMIC 100P J 50V		Q622	3051472218	TR 2SA1037AK-S-T146	
D601	3072478827	DIODE RF101L2S		Q623	3051472218	TR 2SA1037AK-S-T146	
D602	3072478827	DIODE RF101L2S		Q652	3051739816	TR 2SC3928A1R	
D603	3071644015	DIODE RB160L-40-TE25		Q681	3051739816	TR 2SC3928A1R	
D604	3072537405	DIODE FMXA-1106S		R603	3012423914	MT-GLAZE 240K JA 1/2W	
D604C	6520026520	CORE,PIPE		R604	3012588217	MT-GLAZE 680 JA 1/3W	
D604D	6520026520	CORE,PIPE		R605	3011622219	MT-GLAZE 10 JA 1/10W	
D605	3071490810	DIODE 1SS355-TE-17		R606	3020808809	MT-GLAZE 680 KA 1W	
D606	3071490810	DIODE 1SS355-TE-17		R607	3011879514	MT-GLAZE 1M JA 1/4W	
D607	3071490810	DIODE 1SS355-TE-17		R608	3011879514	MT-GLAZE 1M JA 1/4W	
D608	3071490810	DIODE 1SS355-TE-17		R609	3011879514	MT-GLAZE 1M JA 1/4W	
D609	3071490810	DIODE 1SS355-TE-17		R610	3011505819	MT-GLAZE 100K JA 1/10W	
D611	3071490810	DIODE 1SS355-TE-17		R611	3012875713	MT-GLAZE 220K JA 1W	
D612	3071490810	DIODE 1SS355-TE-17		R612	3012562613	MT-GLAZE 2.4K JA 1/10W	
D613	3072478827	DIODE RF101L2S		R614	3021065508	RESISTER 0.075 KB 5W	
D614	3072478827	DIODE RF101L2S		R615	3012556513	MT-GLAZE 100 JA 1/10W	
D615	3071490810	DIODE 1SS355-TE-17		R616	3012566314	MT-GLAZE 47K JA 1/10W	
D616	3072478827	DIODE RF101L2S		R617	4021221208	OXIDE-MT 0.39JB 1W	
D617	3071468116	DIODE EG01C		R618	3011623711	MT-GLAZE 4.7K JA 1/10W	
D618	4080657901	DIODE ZRM11C		R619	3011506014	MT-GLAZE 0.000 ZA 1/10W	
D619	4080657901	DIODE ZRM11C		R620	3011623711	MT-GLAZE 4.7K JA 1/10W	
D622	3071791214	ZENER DIODE PTZ13B-TE25		R621	3012558715	MT-GLAZE 22 JA 1/10W	
D651	3072478827	DIODE RF101L2S		R622	3012649413	MT-GLAZE 33K FA 1/10W	
D652	3071468116	DIODE EG01C		R623	3012348118	MT-GLAZE 4.7 JA 1W	
D653	3072065611	ZENER DIODE UDZS-TE-1710B		R624	3012562217	MT-GLAZE 240 JA 1/10W	
D654	3072187511	ZENER DIODE UDZS16B-TE-17		R626	3011523219	MT-GLAZE 330 JA 1/10W	
D681	4072673001	DIODE SG10SC6M		R627	3012566512	MT-GLAZE 68 JA 1/10W	
D682	4072673001	DIODE SG10SC6M		R628	3012556513	MT-GLAZE 100 JA 1/10W	
D683	3072478827	DIODE RF101L2S		R630	3011506014	MT-GLAZE 0.000 ZA 1/10W	
D687	3072105416	DIODE RB551V-30-TE-17		R631	3011505918	MT-GLAZE 10K JA 1/10W	
D688	3071644015	DIODE RB160L-40-TE25		R632	3011506410	MT-GLAZE 4.3K JA 1/10W	
D689	3071644015	DIODE RB160L-40-TE25		R633	3011623810	MT-GLAZE 470K JA 1/10W	
△ DB601	3072303703	DIODE D15XB80-7000		R634	3012565812	MT-GLAZE 270K JA 1/10W	
DS601	3072190808	THYRISTOR TF861S		R635	3012556513	MT-GLAZE 100 JA 1/10W	
DS602	4096922515	IC TA76L431FB		R636	3011523110	MT-GLAZE 620 JA 1/10W	
DS603	4096922515	IC TA76L431FB		R637	3011622417	MT-GLAZE 1.2K JA 1/10W	
FB601	6520037229	CORE,PIPE		R638	3012599015	MT-GLAZE 150K FA 1/2W	
FB602	6520037229	CORE,PIPE		R639	3012599015	MT-GLAZE 150K FA 1/2W	
FB603	6520037229	CORE,PIPE		R640	3012566512	MT-GLAZE 68 JA 1/10W	
FB605	6520037229	CORE,PIPE		R641	3012599015	MT-GLAZE 150K FA 1/2W	
IC603	4097008703	IC STR-A6079		R642	3011622219	MT-GLAZE 10 JA 1/10W	
IC604	4097029817	IC SSC9512S		R643	3012599015	MT-GLAZE 150K FA 1/2W	
IC682	3095231413	IC FA5502M		R644	3012255614	MT-GLAZE 2.2 JA 1W	
△ L606	9450814878	LINE FILTER		R645	3012556513	MT-GLAZE 100 JA 1/10W	
L611	6520037229	CORE,PIPE		R646	3012423914	MT-GLAZE 240K JA 1/2W	
L612	6520037229	CORE,PIPE		R647	3012559514	MT-GLAZE 220K JA 1/10W	
L613	6520028500	INDUCTOR 330OHM, P		R648	3011622417	MT-GLAZE 1.2K JA 1/10W	
L614	6520028500	INDUCTOR 330OHM, P		R649	3012559514	MT-GLAZE 220K JA 1/10W	
L615	9450411978	INDUCTOR,330 OHM		R650	3012558517	MT-GLAZE 9.1K JA 1/10W	
L616	6520037229	CORE,PIPE		R654	3011506014	MT-GLAZE 0.000 ZA 1/10W	
L617	6520037229	CORE,PIPE		△ R658	3020812905	FUSIBLE RES 22 JH 1/2W	
L618	9450411978	INDUCTOR,330 OHM		R659	3011854511	MT-GLAZE 33 JA 1/2W	
△ PC601	4072657813	PC TLP781F(D4-GB-TP7)		△ R660	3020812905	FUSIBLE RES 22 JH 1/2W	
△ PC602	4072657813	PC TLP781F(D4-GB-TP7)		R662	3012566314	MT-GLAZE 47K JA 1/10W	
△ PC603	4072657813	PC TLP781F(D4-GB-TP7)		R663	4034551418	CERAMIC 2.2U K 16V	
△ PC604	4072657813	PC TLP781F(D4-GB-TP7)		R665	3011505819	MT-GLAZE 100K JA 1/10W	
PTH601	3080374603	THERMISTOR NTPDB8R0LD7B0		R668	3011506014	MT-GLAZE 0.000 ZA 1/10W	
PTH641	3080613900	TH PRF18BC471QB1RB		R669	3011506014	MT-GLAZE 0.000 ZA 1/10W	
Q601	4052267008	TR TK15A50D(Q)		R670	3011623711	MT-GLAZE 4.7K JA 1/10W	
Q601C	6520026520	CORE,PIPE		R671	3011624015	MT-GLAZE 560 JA 1/10W	
Q603	4052267008	TR TK15A50D(Q)		R672	3011624015	MT-GLAZE 560 JA 1/10W	
Q603C	6520026520	CORE,PIPE		R673	3012566314	MT-GLAZE 47K JA 1/10W	
Q604	4052267008	TR TK15A50D(Q)		R674	3012562613	MT-GLAZE 2.4K JA 1/10W	
Q604C	6520026520	CORE,PIPE		R675	3011506212	MT-GLAZE 1K JA 1/10W	
Q605	4052267008	TR TK15A50D(Q)		R676	3011506212	MT-GLAZE 1K JA 1/10W	

Electrical Parts List


Ref.	Part No.	Description	Note	Ref.	Part No.	Description	Note
R677	3011505918	MT-GLAZE 10K JA 1/10W					
R678	3011623612	MT-GLAZE 470 JA 1/10W					
R679	3012644715	MT-GLAZE 1.8K FA 1/10W					
R680	3011506212	MT-GLAZE 1K JA 1/10W					
R681	3011505918	MT-GLAZE 10K JA 1/10W					
R682	3011622417	MT-GLAZE 1.2K JA 1/10W					
R683	3011506212	MT-GLAZE 1K JA 1/10W					
R685	3011623711	MT-GLAZE 4.7K JA 1/10W					
R686	3011623414	MT-GLAZE 39K JA 1/10W					
R687	3012652611	MT-GLAZE 5.1K FA 1/10W					
R689	3011506212	MT-GLAZE 1K JA 1/10W					
R690	3011506212	MT-GLAZE 1K JA 1/10W					
R691	3012567311	MT-GLAZE 6.8K JA 1/10W					
R692	3011506212	MT-GLAZE 1K JA 1/10W					
R693	3011505918	MT-GLAZE 10K JA 1/10W					
R694	3011623711	MT-GLAZE 4.7K JA 1/10W					
R695	3012567311	MT-GLAZE 6.8K JA 1/10W					
R696	3011622417	MT-GLAZE 1.2K JA 1/10W					
R697	3011506212	MT-GLAZE 1K JA 1/10W					
R698	3012556513	MT-GLAZE 100 JA 1/10W					
R699	3012384215	MT-GLAZE 1.5K JA 1/3W					
△ RL602	6451010544	RELAY					
T601	6450892561	INDUCTOR,700U					
△ T651	9450857035	TRANS,POWER,PULSE					
△ T652	6520030572	TRANS,POWER,PULSE					
VR601	6451056092	VR,SEMI,1K M					
A6001 6550051493 ASSY,PWB,AC SECOND FILTER KJ4A							
△ C604	4041132904	MT-POLYEST 0.33U K 275V					
△ C605	4041132904	MT-POLYEST 0.33U K 275V					
△ C606	3040735109	CERAMIC 470P K 250V					
△ C607	3040735109	CERAMIC 470P K 250V					
△ L602	6520037526	LINE FILTER					
△ L603	6520037526	LINE FILTER					
△ R601	3012424614	MT-GLAZE 560K JA 1/2W					
△ R602	3012424614	MT-GLAZE 560K JA 1/2W					
△ VA602	4080713102	VARISTOR S14K385E2K1					
A6002 6550053008 ASSY, PWB, AC FIRST FILTER KJ4							
△ C601	3040735109	CERAMIC 470P K 250V					
△ C602	3040735109	CERAMIC 470P K 250V					
△ C608	4041282401	MT-POLYEST 0.22U M 275V					
△ C617	3040733709	CERAMIC 100P K 250V					
△ C618	3040733709	CERAMIC 100P K 250V					
△ F601	4230353004	FUSE 250V 8A					
△ K601	6520037748	CORD,POWER-55MM/115MM/70MM					
△ L601	6520037526	LINE FILTER					
△ R651	3013271910	MT-GLAZE 2.2M JA 1/2W					
△ R652	3013271910	MT-GLAZE 2.2M JA 1/2W					
△ VA601	4080713102	VARISTOR S14K385E2K1					

Panasonic[®]

Schematic Diagram Circuit Boards Diagram

Models	PT-VX505NU
	PT-VX505NE
	PT-VX505NEA
	PT-VW435NU
	PT-VW435NE
	PT-VW435NEA

Important Safety Notice

Components identified by the International symbol  have special characteristics important for safety. When replacing any of these components, use only the manufacturer's specified parts.

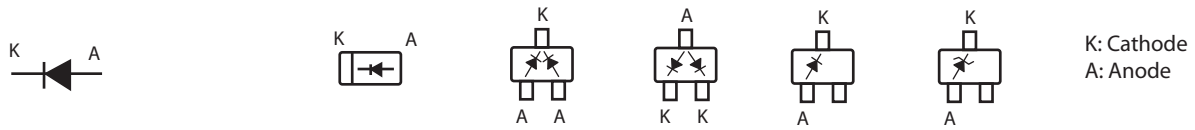
■ COLD and HOT indications

The power circuit board contains a circuit area using a separate power supply to isolate the ground connection. The circuits is defined by HOP and COLD indications in the schematic diagram. Take the precautions below. This schematic diagram is the latest at the time of model production start and subject to change without notice.

■ Precautions

NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
NEVER short-circuit the HOL and COLD circuits, or the fuse may blow and the parts may break.
NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow.
Connect the ground of instruments to the ground of the circuit being measured.
MAKE SURE to unplug the power cord from the power outlet before removing the chassis.
When ordering parts, please check the part number of the parts list.

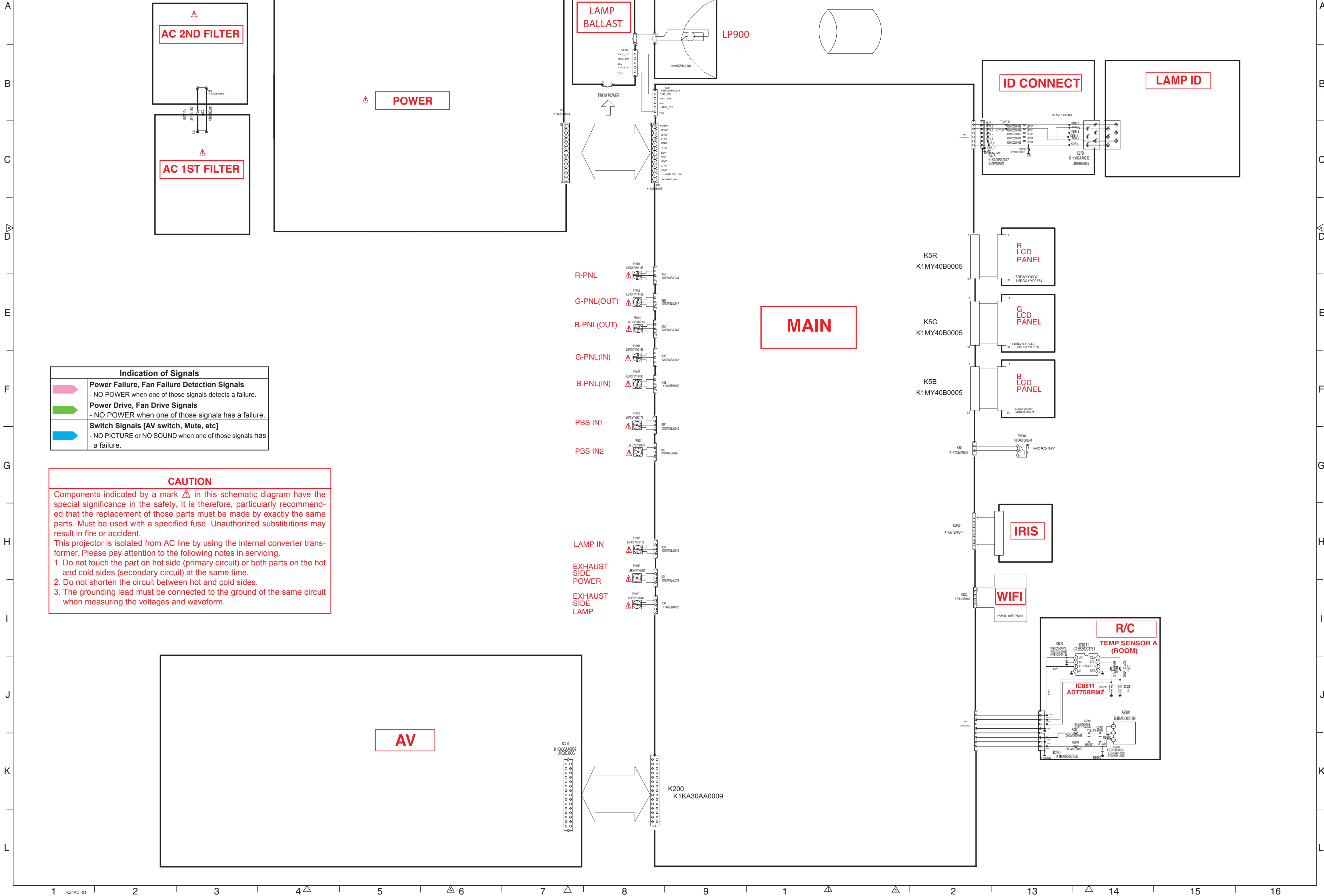
- **Diode**



The diagrams illustrate various FET packages and their pin configurations:

- Top Row:** Three physical package drawings showing pin layouts. The first has pins B, C, E. The second has pins C, B, E. The third has pins B, C, E.
- Second Row:** Six pin configuration diagrams for different packages:
 - Package 1: Pins C, B, E.
 - Package 2: Pins B, C, E.
 - Package 3: Pins C1, C2, B1, E, B2.
 - Package 4: Pins C2, B1, E1, E2, B2, C1. Includes an "Index" arrow pointing to the C1 pin.
- Legend:**
 - C: Collector
 - B: Base
 - E: Emitter
 - D: Drain
 - G: Gate
 - S: Source
- Third Row:** Four pin configuration diagrams for different packages:
 - Package 1: Pins C, B, E.
 - Package 2: Pins E, B, C.
 - Package 3: Pins C1, C2, B1, B2, E.
 - Package 4: Pins B1, B2, C1, C2, E.
- Bottom Row:**
 - Left: A physical package drawing with pins G, D, S.
 - Right: A circular pin configuration diagram with pins S, G, D.

Schematic Diagrams



A
B
C
D
E
F
G
H
I
J
K
L

CAUTION
Fuse of the specified parts
number must be used.
Unauthorized substitutions may
result in fire or accident.

AC 2ND FILTER

AC 1ST FILTER

AC100-240V

AC INLET

(SECONDARY)

POWER FACTOR CORRECTION
(T601,Q601,Q602,D604,IC601)

RUSH CURRENT SUPPRESSION
(D601,P1H601)

IC682
FA5502M
P.F. CONTROL

Switching Power Supply

(PRIMARY CIRCUIT)

(SECONDARY CIRCUIT)

(LIVE CIRCUIT)

MAIN

POWER





A

B

C

D

E

F

G

H

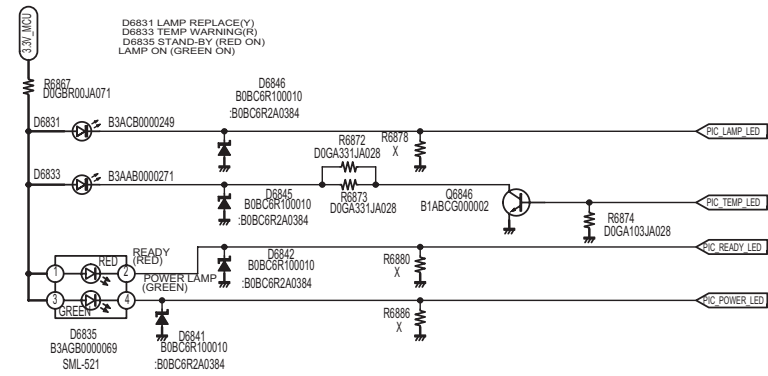
I

J

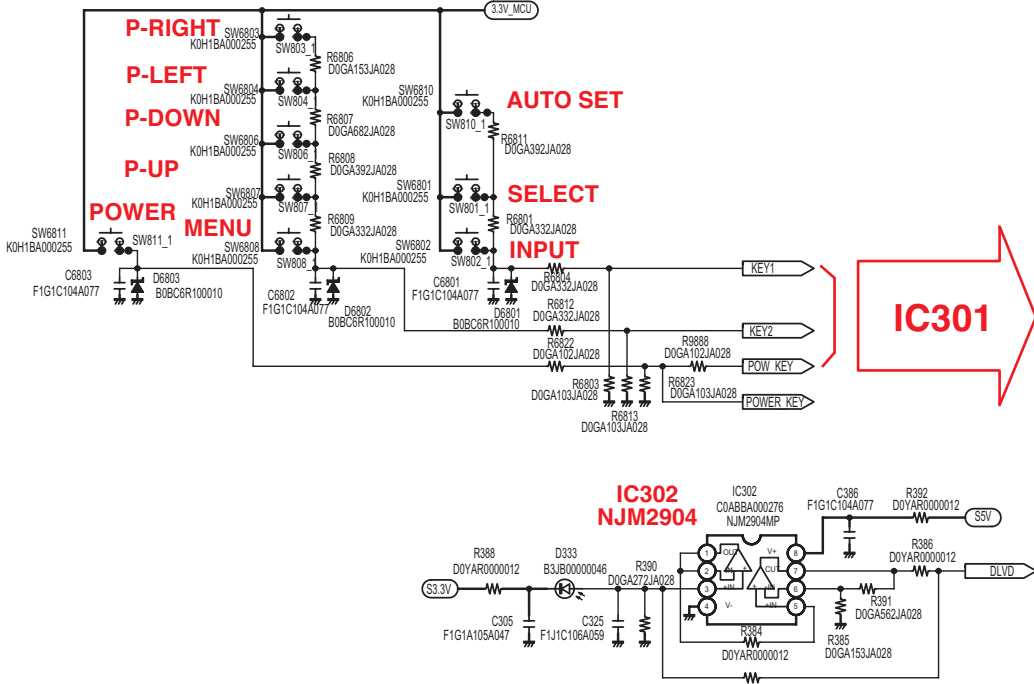
K

L

LED



KEY SW



DAYLIGHT SENSOR

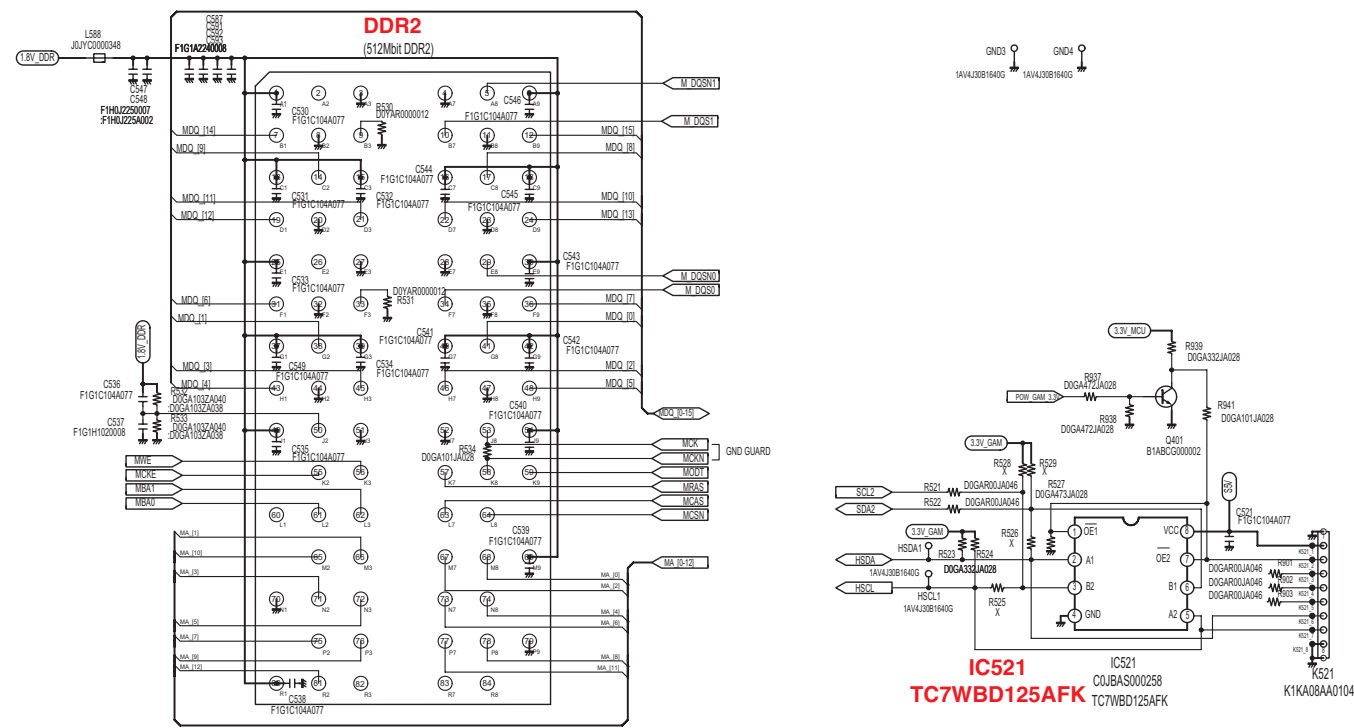
IC9882
74LVC14APWIC9886
TC7SH00FUR/C
"K29D"LAMP
BALASTLAMP
COVER_SWID CONNECT
"K87A"POWER
"K6R"R-PNL
FN901G-PNL(OUT)
FN902G-PNL(IN)
FN903B-PNL(OUT)
FN904B-PNL(IN)
FN905PBS IN1
FN906PBS IN2
FN907LAMP IN
FN908EXHAUST
SIDE POWER
FN909EXHAUST
SIDE LAMP
FN910IC7851
PQ20WZ11IC7861
PQ20WZ11IC7871
PQ20WZ11IC7811
TP554286PWPRIC7881
PQ20WZ11IC7891
PQ20WZ11

FAN CONTROL

IC3601
74LVC14APWIC3602
74LVC14APWIC7801
M62334FP

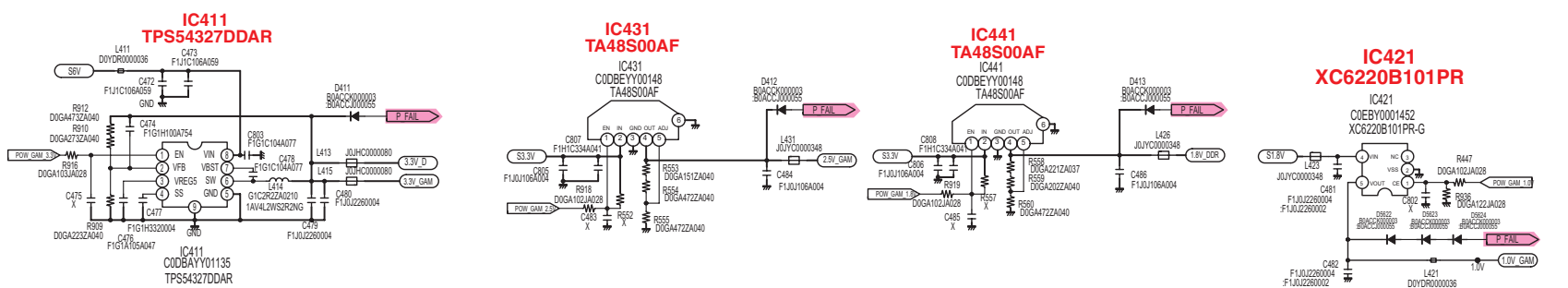
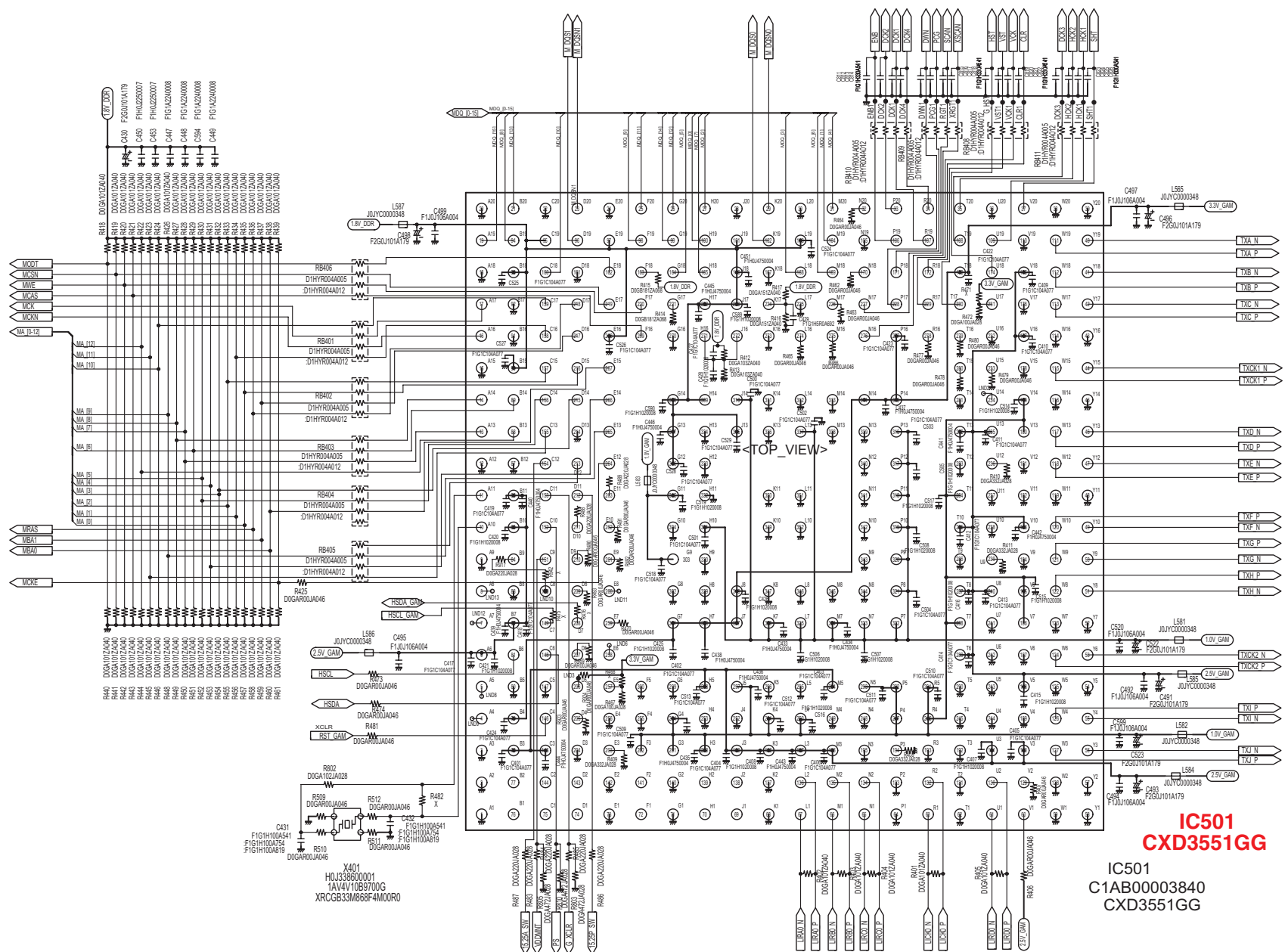
MAIN

GAMMA

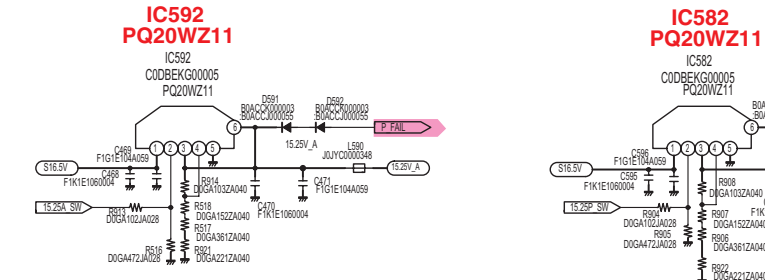
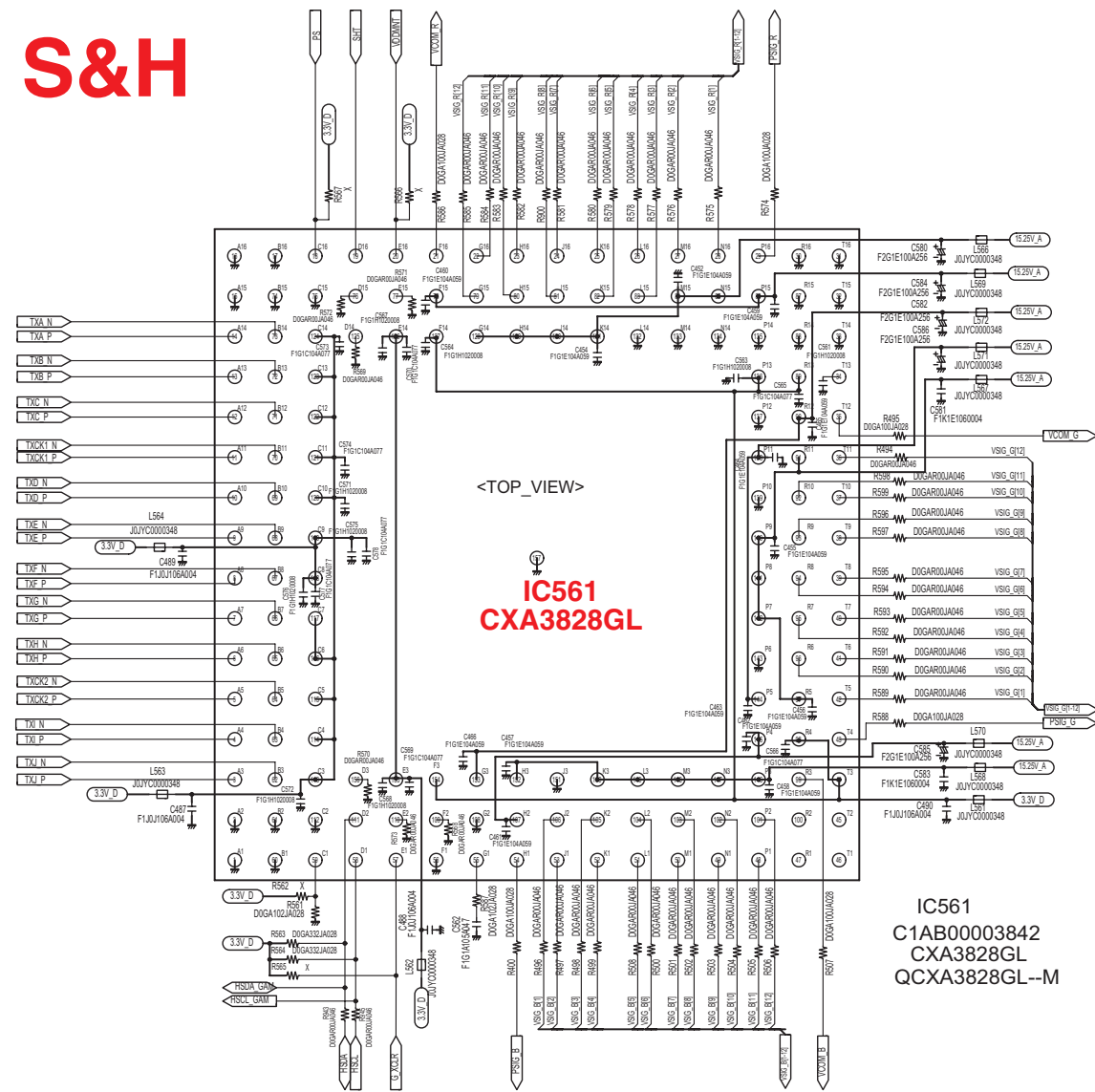


IC531
W9751G6JB-25
;EM68B16CWQD-25H

IC531
C3ABS0000070
C3ABS0000108
W9751G6JB-25



S&H



B LCD
PANEL

G LCD
PANEL

R LCD
PANEL

MAIN

A

B

C

D

E

F

G

H

I

J

K

L

A

B

C

D

E

F

G

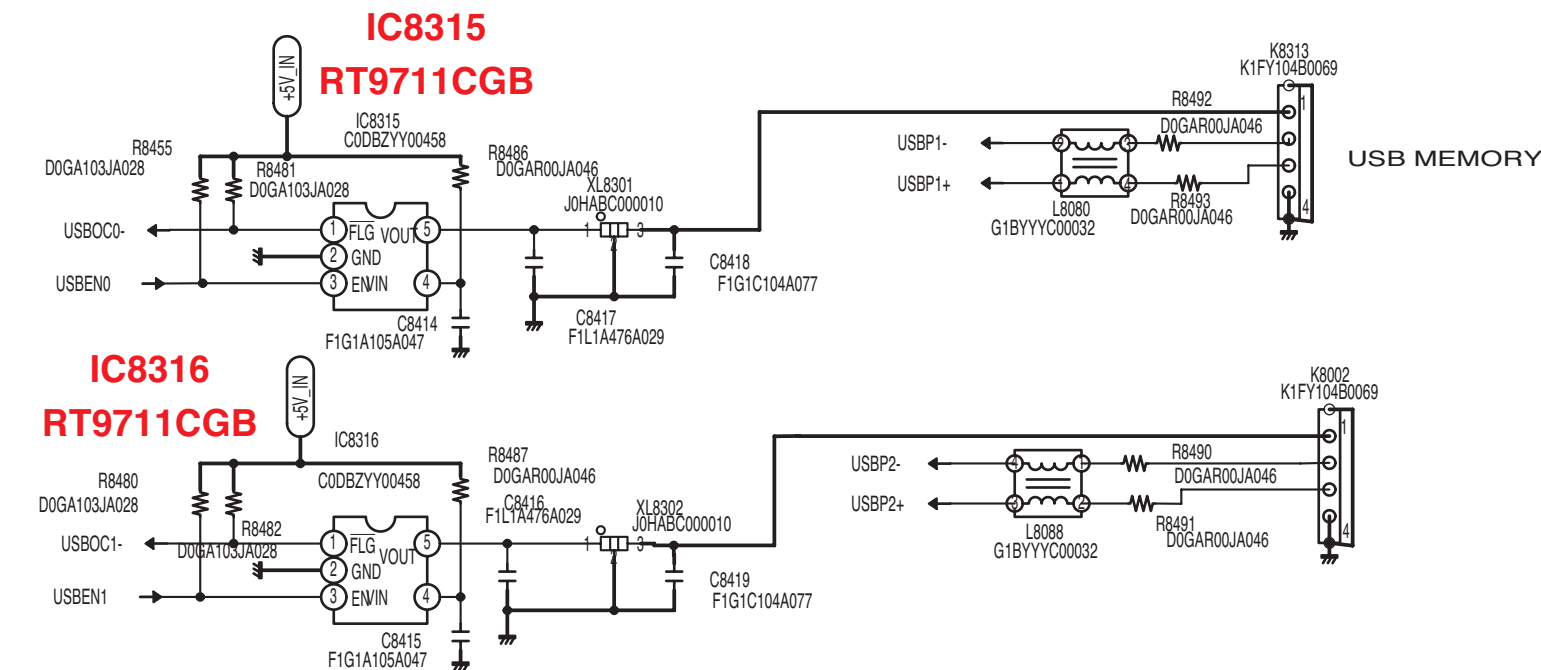
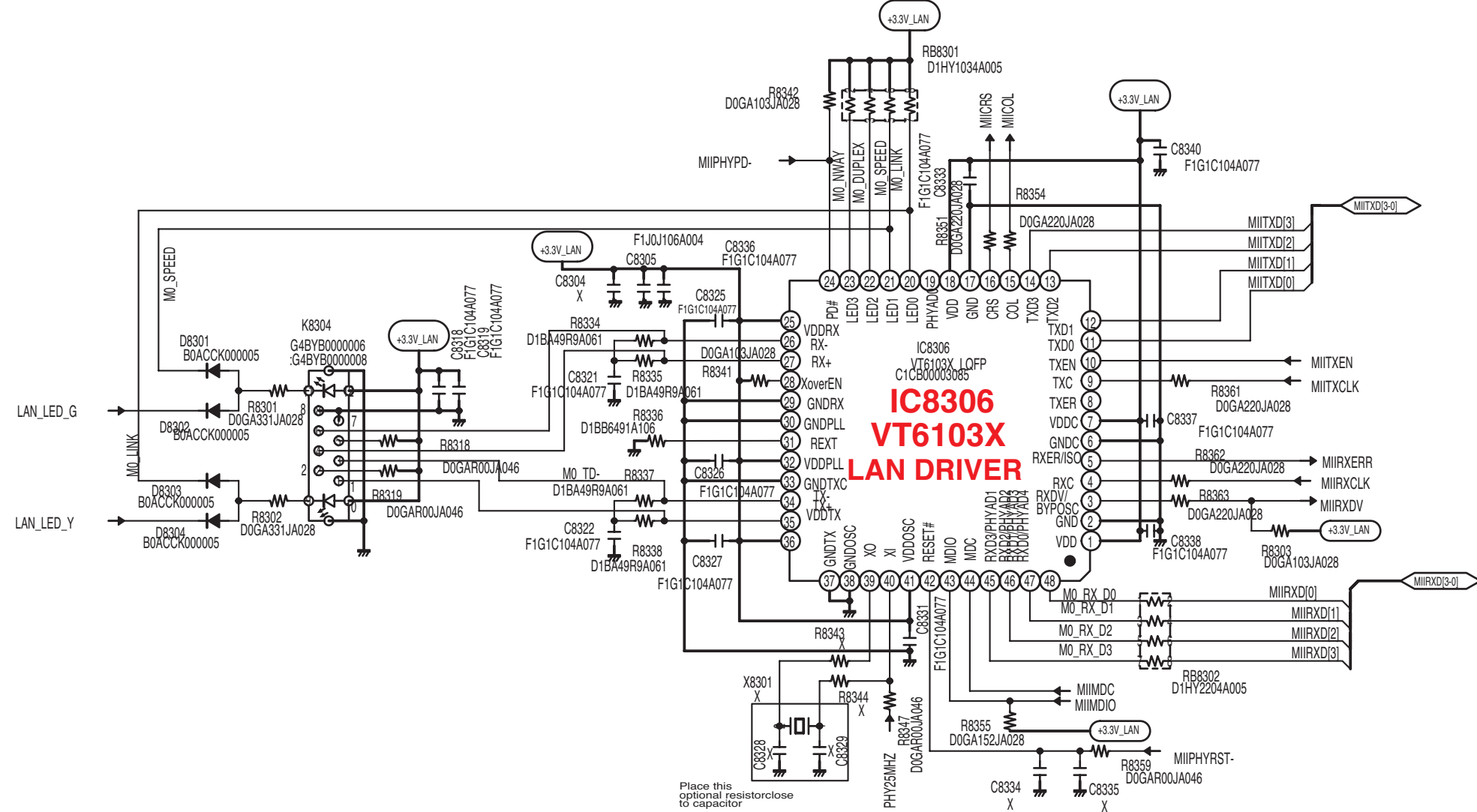
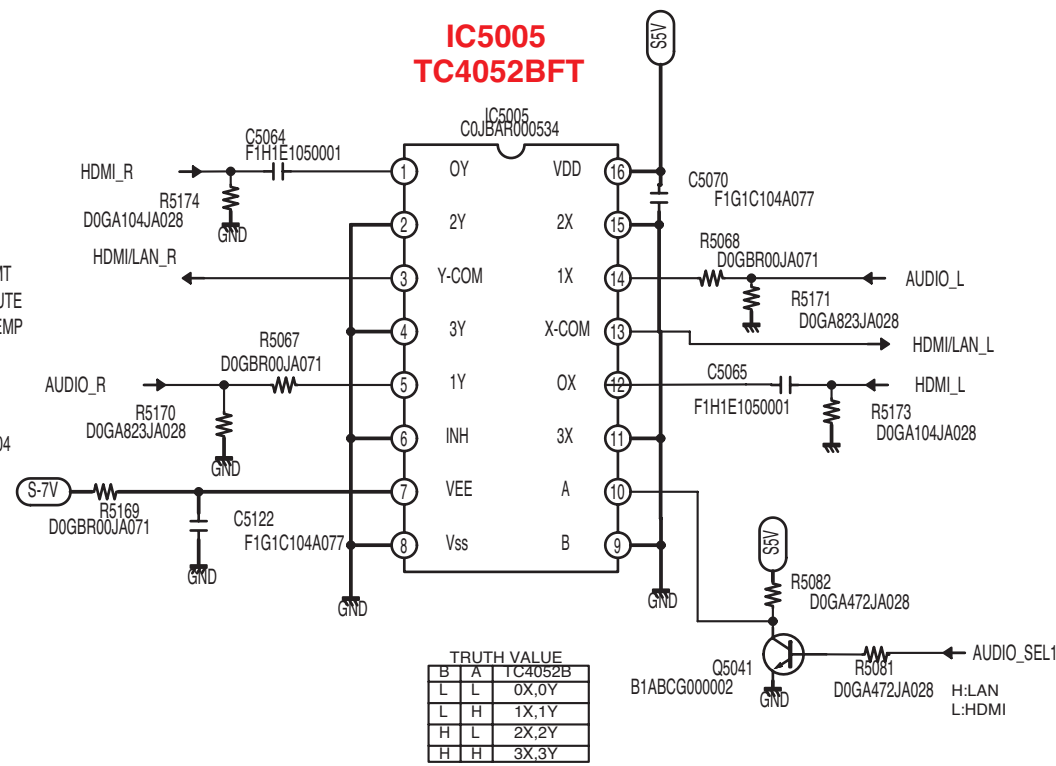
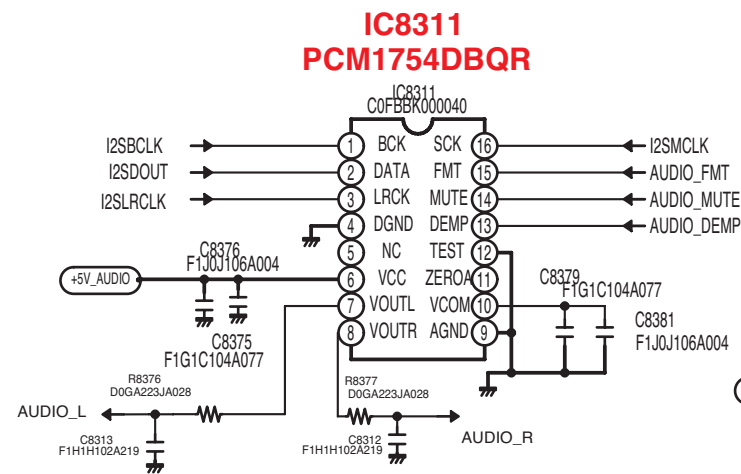
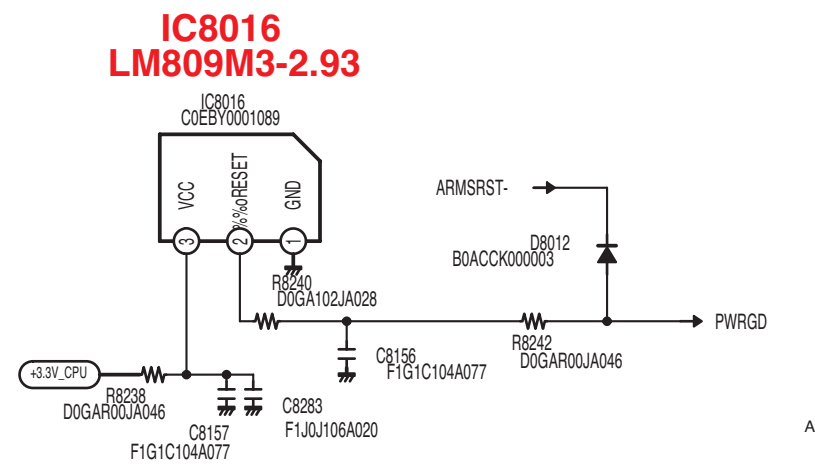
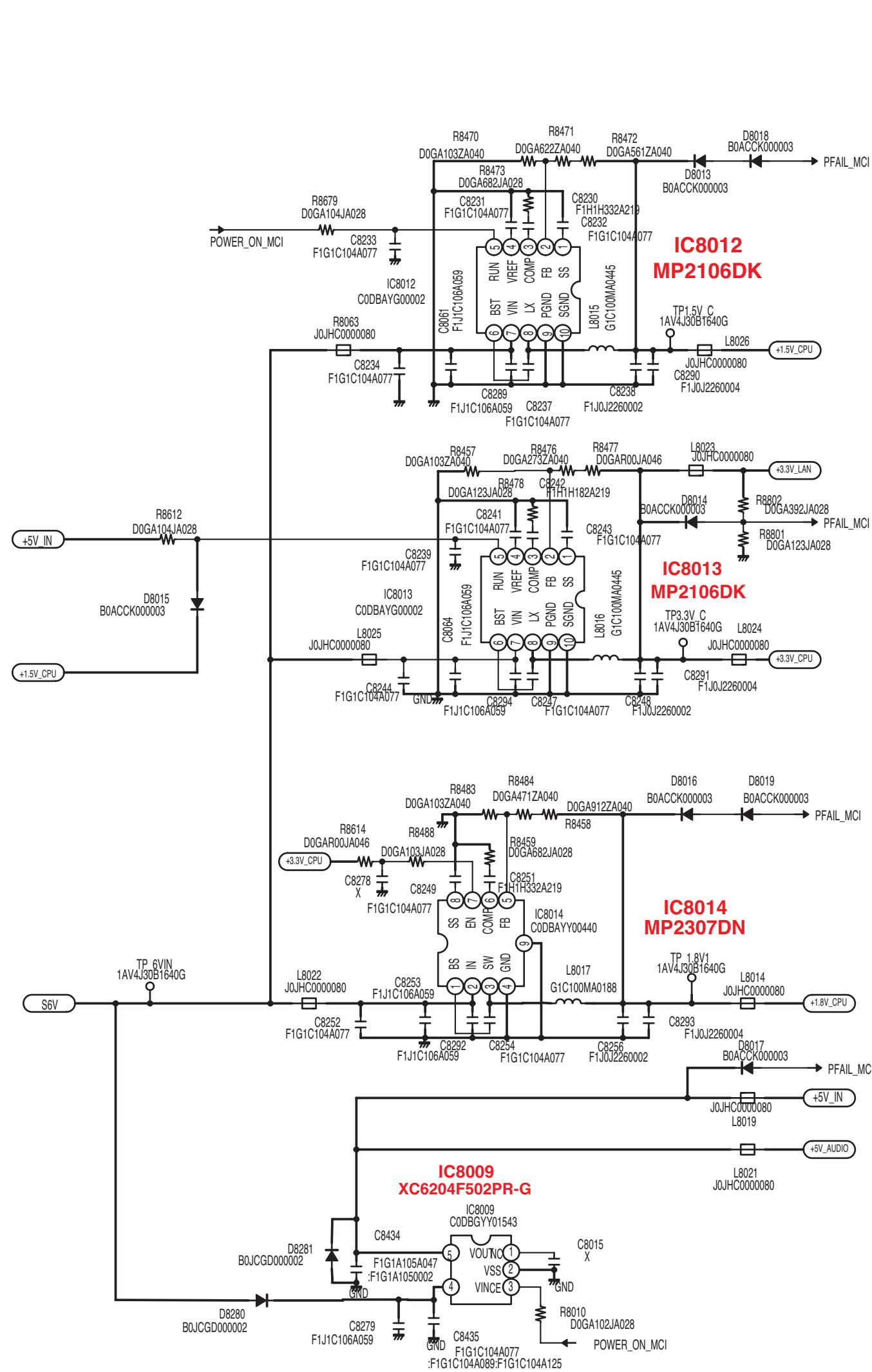
H

I

J

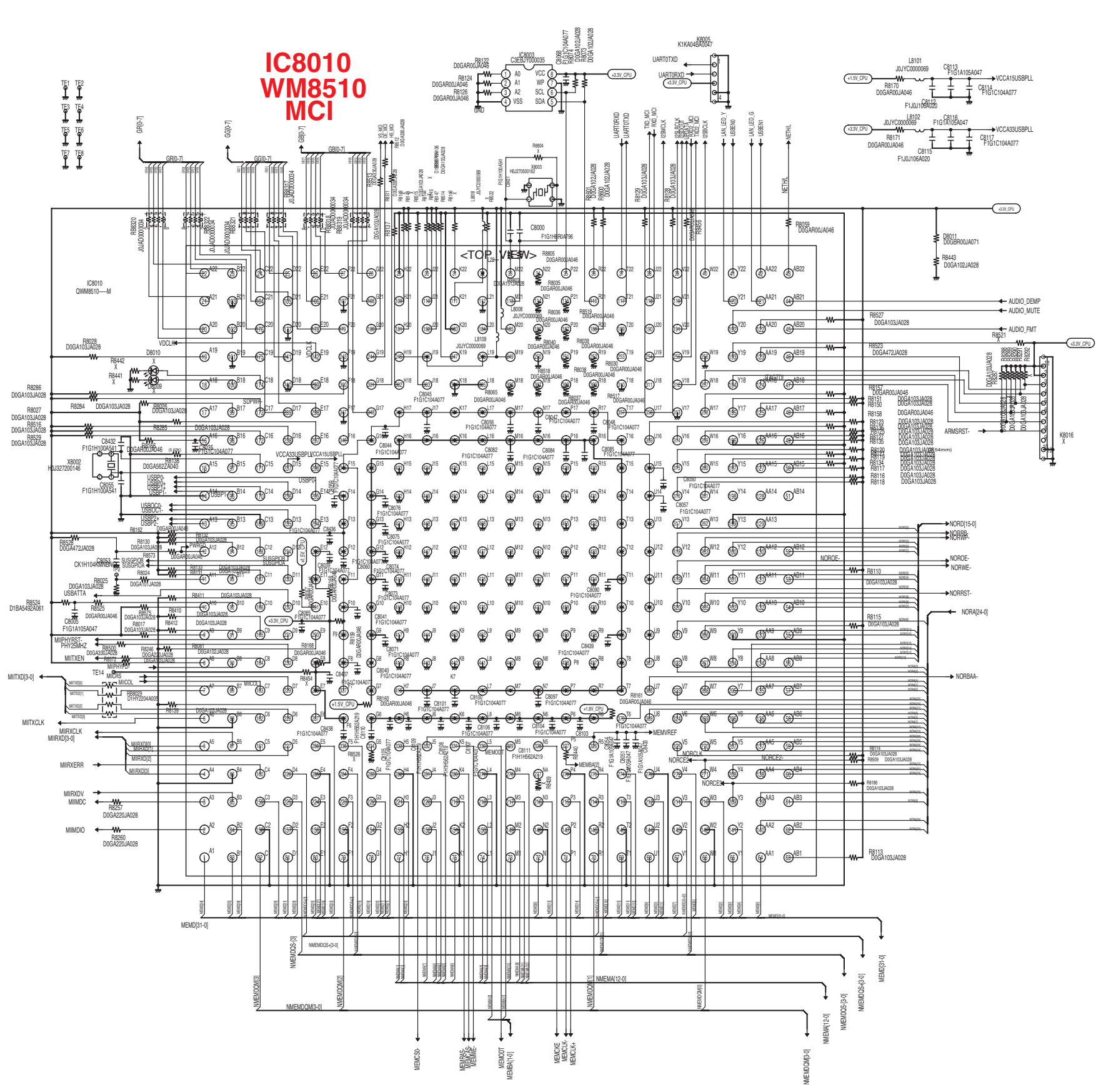
K

L

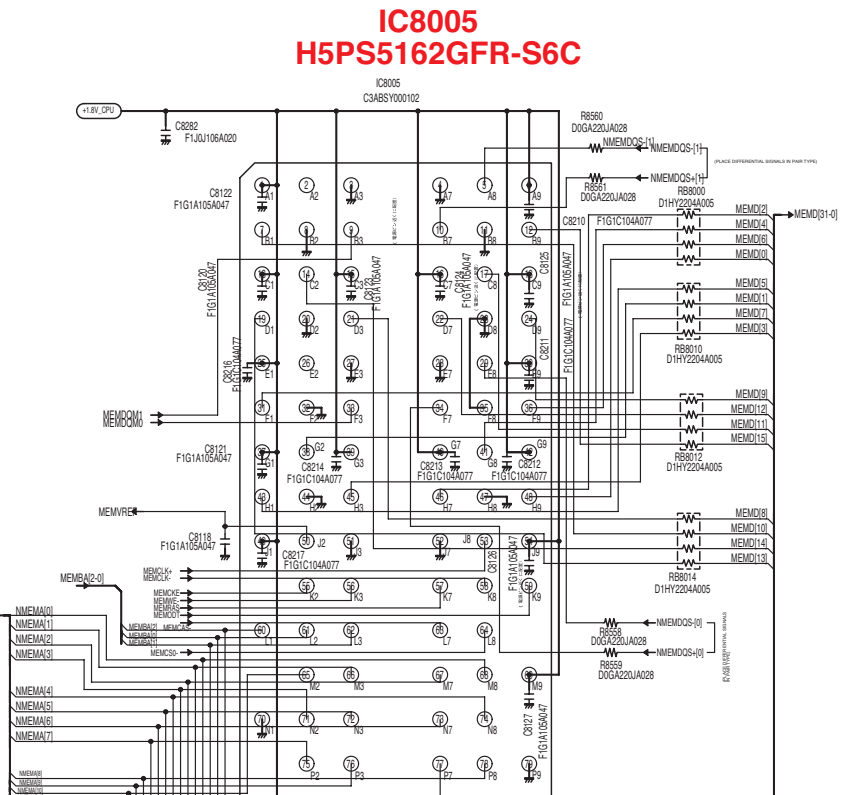


NETWORK

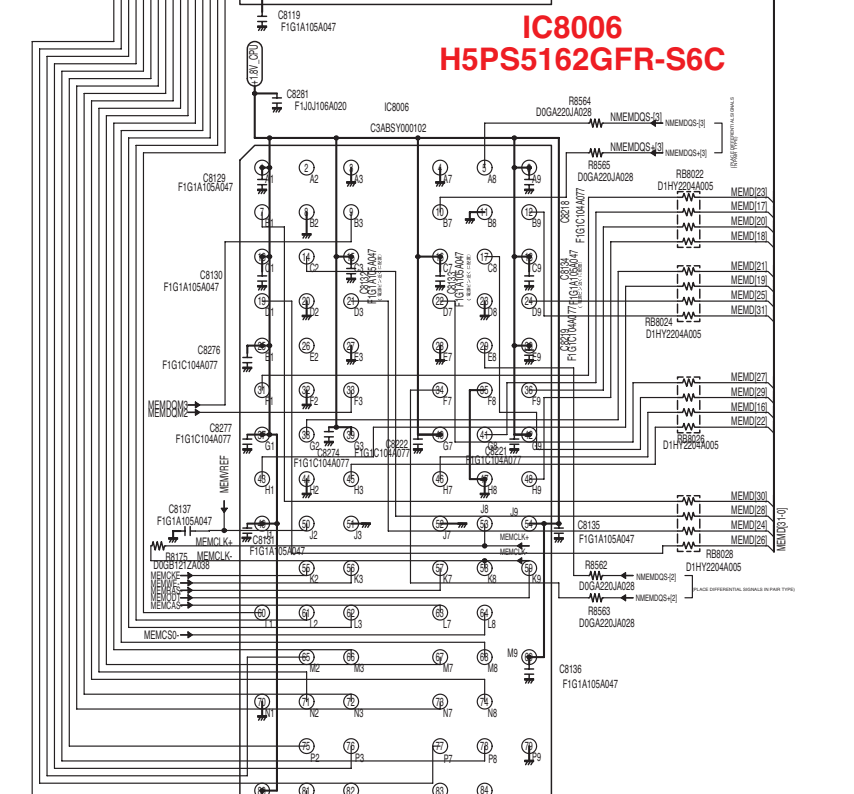
A
B
C
D
E
F
G
H
I
J
K
L



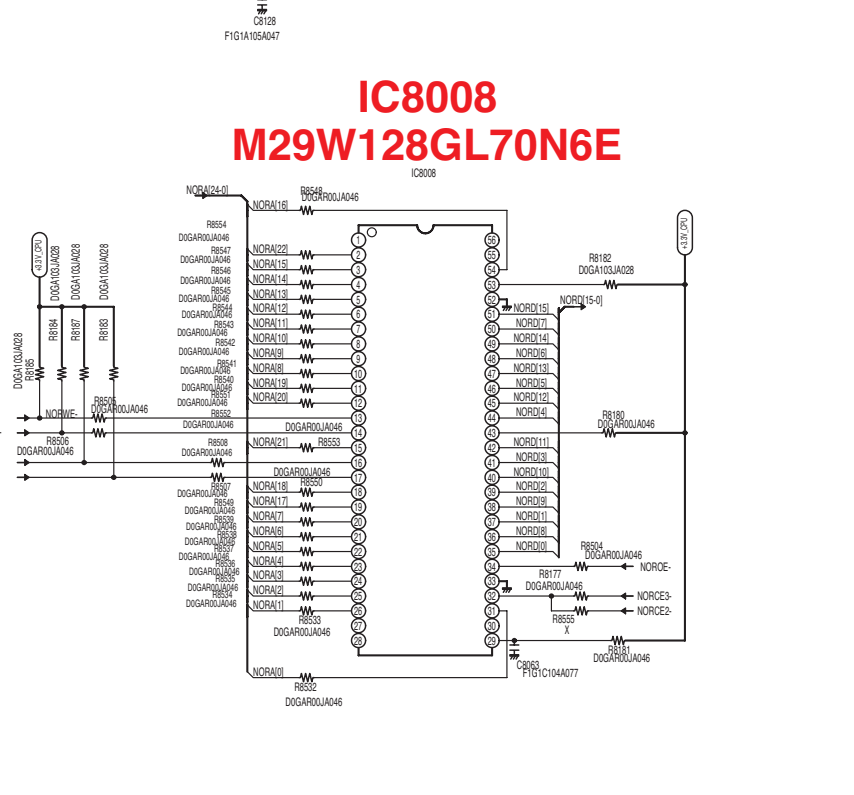
IC8010
WM8510
MCI



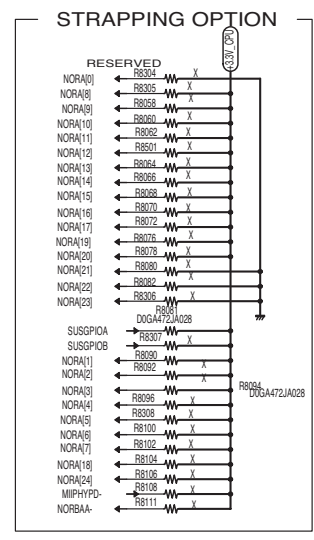
IC8005
H5PS5162GFR-S6C



IC8006
H5PS5162GFR-S6C



IC8008
M29W128GL70N6E

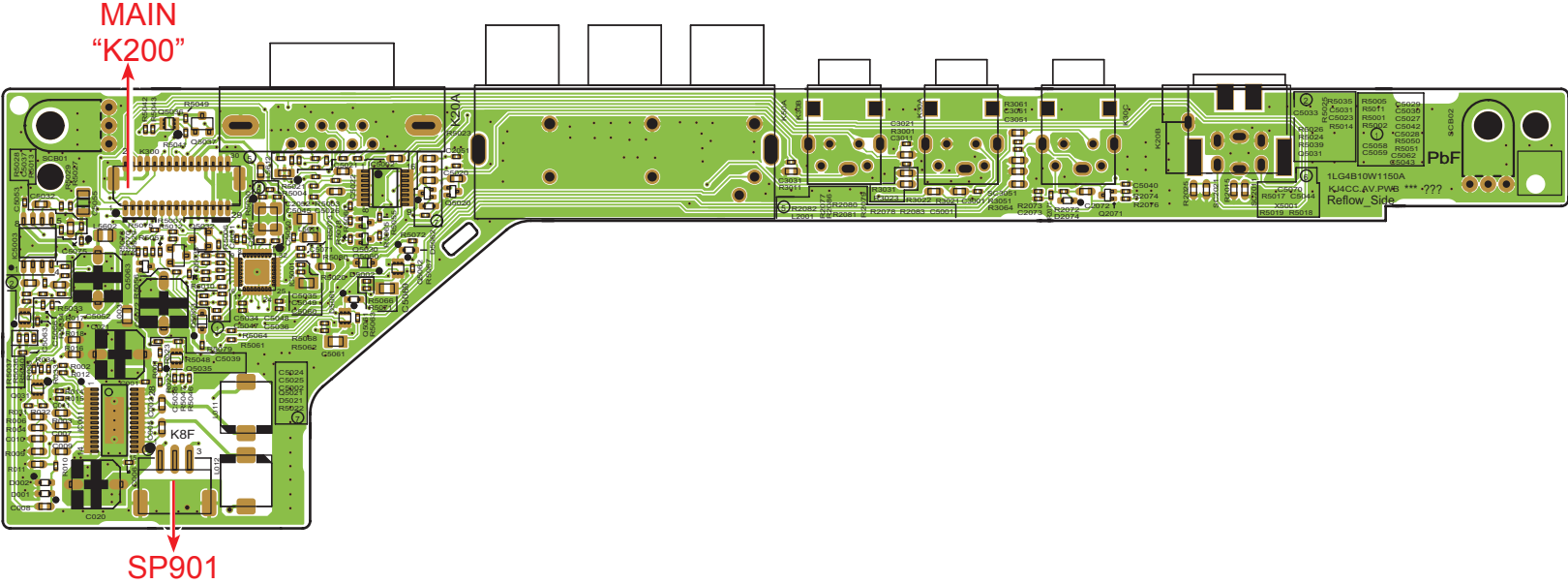


NETWORK

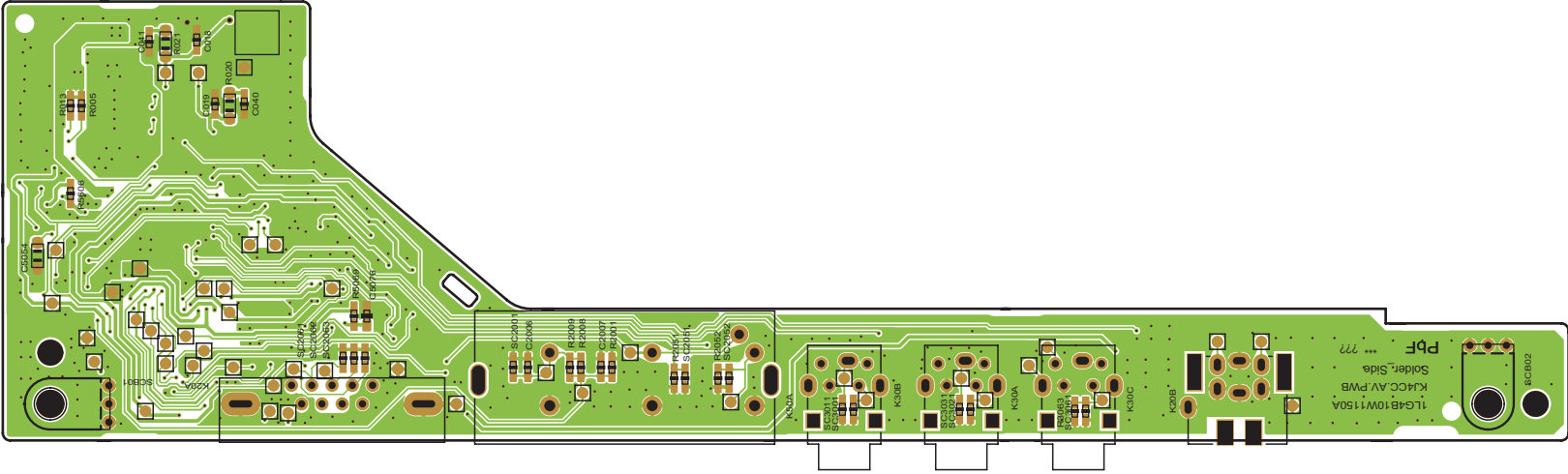
A
B
C
D
E
F
G
H
I
J
K
L

Printed Wiring Board Diagrams

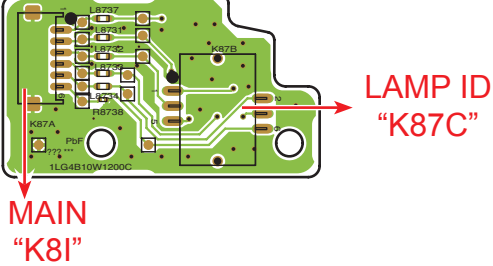
AV (SIDE:A)



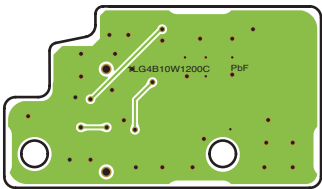
AV (SIDE:B)



ID CONNECT (SIDE:A)



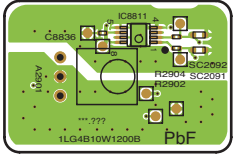
ID CONNECT (SIDE:A)



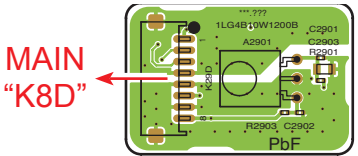
⚠ CAUTION

- This projector is isolated from AC line by using the internal converter transformer. Please pay attention to the following notes in servicing
1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
 2. Do not shorten the circuit between hot and cold sides.
 3. The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

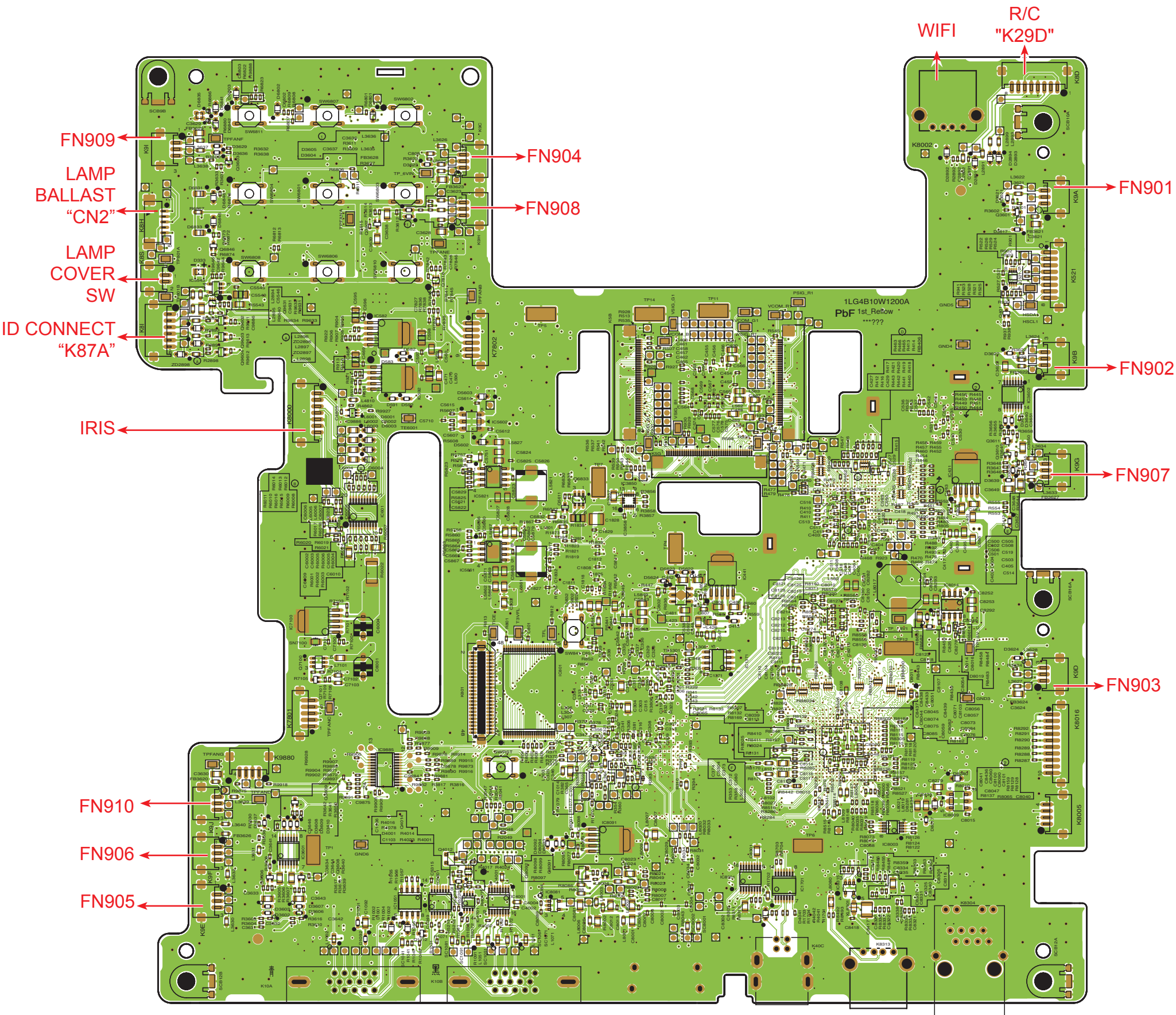
RC (SIDE:A)



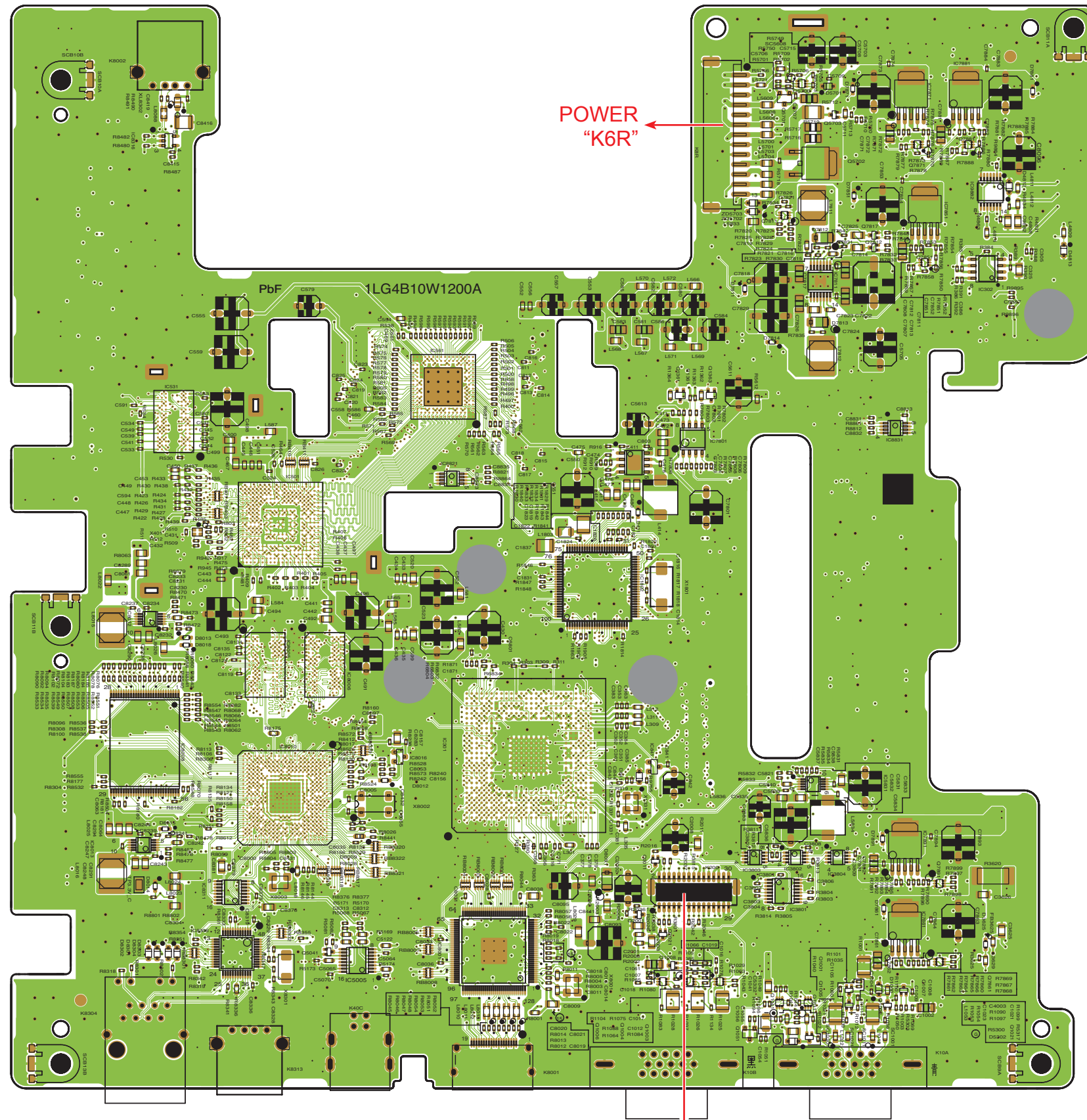
RC (SIDE:B)



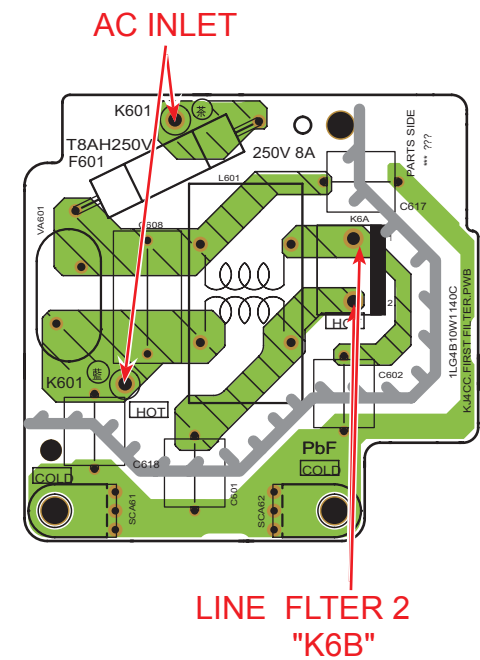
MAIN (SIDE:A)



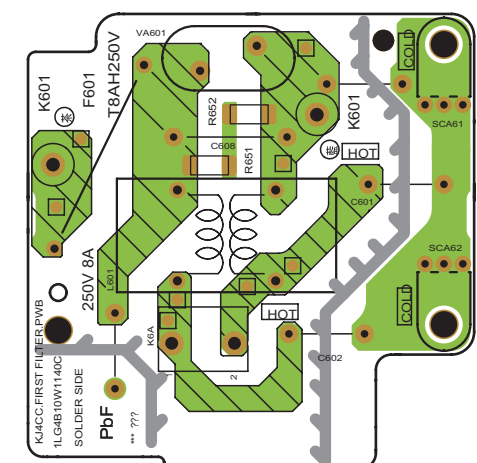
MAIN (SIDE:B)



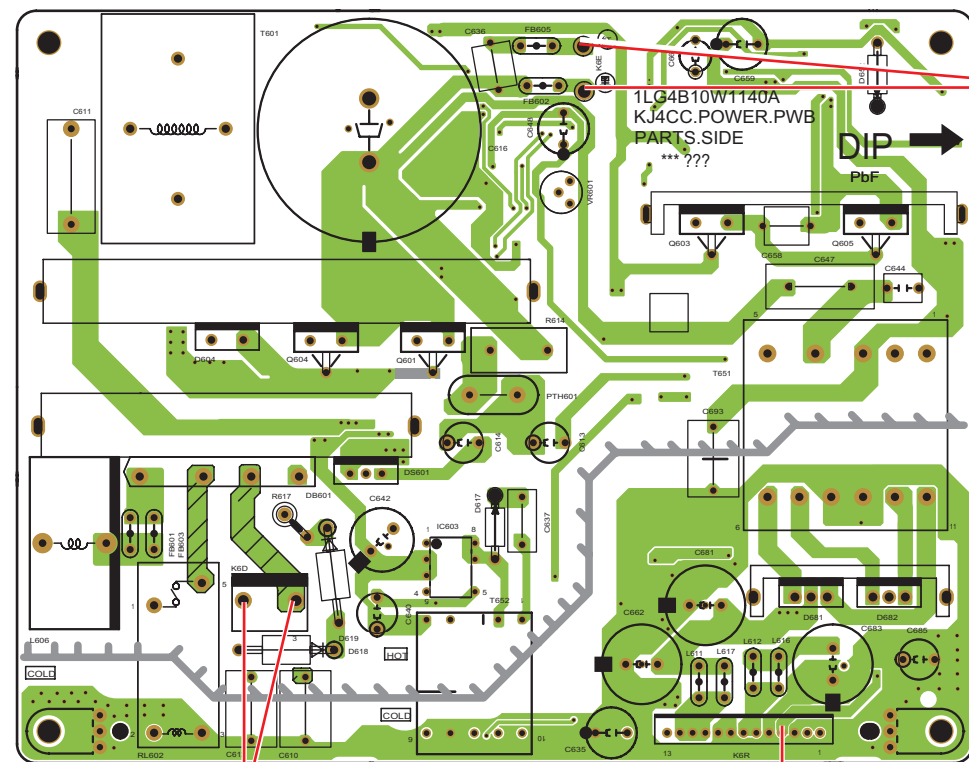
AC 1ST FILTER (SIDE:A)



AC 1ST FILTER (SIDE:B)



POWER (SIDE:A)

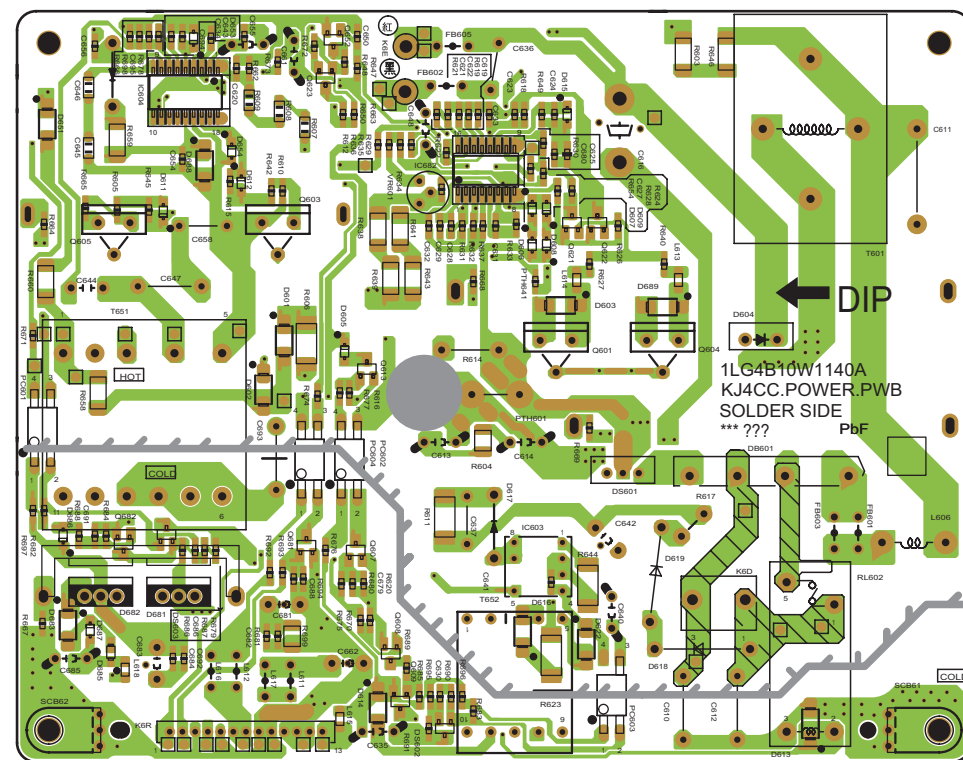


LAMP
BALLAST
"CN1"

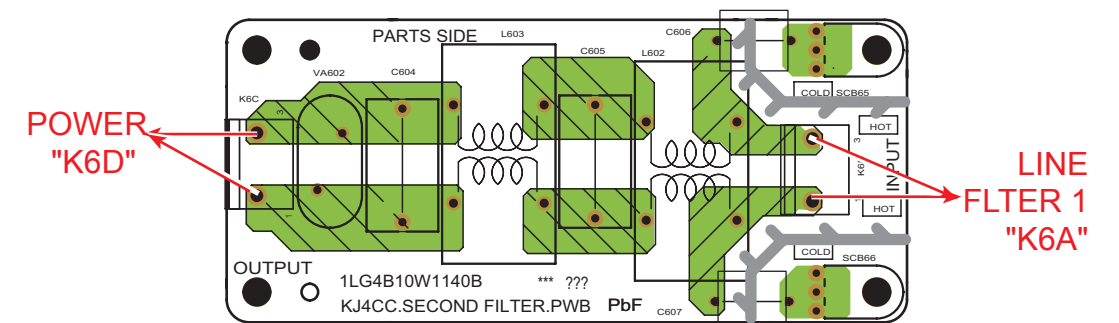
LINE FILTER 2
"K6C"

MAIN
"K8R"

POWER (SIDE:B)



AC 2ND FILTER (SIDE:A)



AC 2ND FILTER (SIDE:B)

